



**Default Power for Main PA for WWAN**

| GSM850 Ant1 Default |                           |       |       |                     |                           |       |       |                     |       |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|-------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |       |
|                     | 128                       | 169   | 251   |                     | 128                       | 169   | 251   |                     |       |
| TX Channel          | 924.2                     | 935.4 | 946.6 | 924.2               | 935.4                     | 946.6 | 924.2 | 935.4               | 946.6 |
| Frequency (MHz)     | 32.87                     | 32.91 | 32.84 | 33.50               | 23.87                     | 23.91 | 23.84 | 24.50               |       |
| GSM 1 Tx slot       | 32.76                     | 32.82 | 32.70 | 33.50               | 23.76                     | 23.82 | 23.70 | 24.50               |       |
| GPRS 2 Tx slots     | 31.81                     | 31.87 | 31.73 | 32.50               | 25.81                     | 25.87 | 25.73 | 26.50               |       |
| GPRS 3 Tx slots     | 29.99                     | 30.09 | 29.98 | 31.00               | 25.73                     | 25.83 | 25.72 | 26.74               |       |
| GPRS 4 Tx slots     | 28.87                     | 28.98 | 28.87 | 30.00               | 25.87                     | 25.98 | 25.87 | 27.00               |       |
| EDGE 1 Tx slot      | 27.19                     | 27.24 | 27.20 | 26.50               | 18.19                     | 18.24 | 18.20 | 19.50               |       |
| EDGE 2 Tx slots     | 26.06                     | 26.18 | 26.06 | 27.50               | 20.06                     | 20.18 | 20.06 | 21.50               |       |
| EDGE 3 Tx slots     | 24.06                     | 24.20 | 24.10 | 25.50               | 19.80                     | 19.94 | 19.84 | 21.24               |       |
| EDGE 4 Tx slots     | 22.74                     | 22.86 | 22.82 | 24.00               | 19.74                     | 19.86 | 19.82 | 21.00               |       |

  

| GSM1900 Ant1 Default |                           |       |        |                     |                           |        |        |                     |        |
|----------------------|---------------------------|-------|--------|---------------------|---------------------------|--------|--------|---------------------|--------|
| GSM1900              | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |        |        | Tune-up Limit (dBm) |        |
|                      | 512                       | 661   | 810    |                     | 512                       | 661    | 810    |                     |        |
| TX Channel           | 1850.2                    | 1880  | 1909.8 | 1850.2              | 1880                      | 1909.8 | 1850.2 | 1880                | 1909.8 |
| Frequency (MHz)      | 29.12                     | 29.19 | 29.02  | 30.50               | 20.12                     | 20.19  | 20.02  | 21.50               |        |
| GSM 1 Tx slot        | 29.07                     | 29.09 | 29.00  | 30.50               | 20.07                     | 20.09  | 20.00  | 21.50               |        |
| GPRS 2 Tx slots      | 28.35                     | 28.41 | 28.28  | 29.50               | 22.35                     | 22.41  | 22.28  | 23.50               |        |
| GPRS 3 Tx slots      | 26.69                     | 26.71 | 26.62  | 28.00               | 22.43                     | 22.45  | 22.36  | 23.74               |        |
| GPRS 4 Tx slots      | 25.61                     | 25.69 | 25.67  | 27.00               | 22.61                     | 22.69  | 22.67  | 24.00               |        |
| EDGE 1 Tx slot       | 25.53                     | 25.61 | 25.58  | 27.00               | 16.53                     | 16.61  | 16.58  | 18.00               |        |
| EDGE 2 Tx slots      | 24.50                     | 24.66 | 24.55  | 26.00               | 18.50                     | 18.66  | 18.55  | 20.00               |        |
| EDGE 3 Tx slots      | 22.47                     | 22.55 | 22.40  | 24.00               | 18.21                     | 18.29  | 18.14  | 19.74               |        |
| EDGE 4 Tx slots      | 21.11                     | 21.20 | 21.17  | 22.50               | 18.11                     | 18.20  | 18.17  | 19.50               |        |

  

| Band            | WCDMA II Default        |              |        | Tune-up Limit (dBm) | WCDMA IV Ant1 Default |        |        | Tune-up Limit (dBm) | WCDMA V Ant1 Default |        |        | Tune-up Limit (dBm) |        |       |
|-----------------|-------------------------|--------------|--------|---------------------|-----------------------|--------|--------|---------------------|----------------------|--------|--------|---------------------|--------|-------|
|                 | 9262                    | 9400         | 9538   |                     | 1312                  | 1413   | 1513   |                     | 4132                 | 4182   | 4233   |                     |        |       |
| TX Channel      | 9662                    | 9800         | 9938   | 9662                | 1537                  | 1638   | 1738   | 9662                | 9800                 | 9938   | 9662   | 9800                | 9938   |       |
| Rx Channel      | 1852.4                  | 1880         | 1907.6 | 1852.4              | 1712.4                | 1732.6 | 1752.6 | 1852.4              | 1880                 | 1907.6 | 1852.4 | 1880                | 1907.6 |       |
| Frequency (MHz) | 3GPP Rel 99             | AMR 12.2Kbps | 23.05  | 23.20               | 23.09                 | 24.00  | 22.90  | 23.13               | 23.01                | 24.00  | 22.92  | 23.06               | 22.97  | 24.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 23.10        | 23.23  | 23.20               | 24.00                 | 23.00  | 23.17  | 23.08               | 24.00                | 23.03  | 23.12  | 23.10               | 24.00  |       |
| 3GPP Rel 6      | HSDPA Subtest-1         | 22.17        | 22.23  | 22.13               | 23.00                 | 22.05  | 22.19  | 22.02               | 23.00                | 22.05  | 22.16  | 22.05               | 23.00  |       |
| 3GPP Rel 6      | HSDPA Subtest-2         | 22.02        | 22.07  | 22.14               | 23.00                 | 21.95  | 22.03  | 22.09               | 23.00                | 21.90  | 21.96  | 21.97               | 23.00  |       |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.55        | 21.63  | 21.46               | 22.50                 | 21.41  | 21.50  | 21.32               | 22.50                | 21.40  | 21.54  | 21.36               | 22.50  |       |
| 3GPP Rel 6      | HSDPA Subtest-4         | 21.68        | 21.69  | 21.53               | 22.50                 | 21.60  | 21.66  | 21.48               | 22.50                | 21.55  | 21.56  | 21.43               | 22.50  |       |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 22.33        | 22.22  | 22.08               | 23.00                 | 22.28  | 22.09  | 21.97               | 23.00                | 22.16  | 22.10  | 22.02               | 23.00  |       |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 21.87        | 22.09  | 21.91               | 23.00                 | 21.79  | 22.02  | 21.79               | 23.00                | 21.77  | 21.96  | 21.84               | 23.00  |       |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 21.48        | 21.40  | 21.33               | 22.50                 | 21.37  | 21.26  | 21.28               | 22.50                | 21.33  | 21.33  | 21.18               | 22.50  |       |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 21.49        | 21.61  | 21.47               | 22.50                 | 21.38  | 21.48  | 21.35               | 22.50                | 21.33  | 21.45  | 21.40               | 22.50  |       |
| 3GPP Rel 6      | HSUPA Subtest-1         | 22.31        | 22.39  | 22.00               | 23.00                 | 22.26  | 22.33  | 21.84               | 23.00                | 22.16  | 22.22  | 21.94               | 23.00  |       |
| 3GPP Rel 6      | HSUPA Subtest-2         | 20.10        | 20.31  | 20.26               | 21.00                 | 19.99  | 20.26  | 20.13               | 21.00                | 20.04  | 20.24  | 20.17               | 21.00  |       |
| 3GPP Rel 6      | HSUPA Subtest-3         | 21.29        | 21.30  | 21.14               | 22.00                 | 21.22  | 21.21  | 21.07               | 22.00                | 21.18  | 21.14  | 21.01               | 22.00  |       |
| 3GPP Rel 6      | HSUPA Subtest-4         | 20.14        | 20.09  | 20.12               | 21.00                 | 20.00  | 20.06  | 20.07               | 21.00                | 20.07  | 19.95  | 19.96               | 21.00  |       |
| 3GPP Rel 6      | HSUPA Subtest-5         | 22.08        | 22.05  | 22.00               | 23.00                 | 22.05  | 21.99  | 21.88               | 23.00                | 21.93  | 21.90  | 21.85               | 23.00  |       |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 19.56        | 19.73  | 19.64               | 20.50                 | 19.45  | 19.65  | 19.59               | 20.50                | 19.43  | 19.62  | 19.48               | 20.50  |       |





| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 2050                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.90                 | 22.99                    | 22.94                  |                     |          |  |
| 20                  | QPSK       | 1       | 49        | 22.88                 | 22.89                    | 22.87                  | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 99        | 22.85                 | 22.91                    | 22.81                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.84                 | 22.04                    | 21.96                  |                     |          |  |
| 20                  | QPSK       | 50      | 24        | 21.85                 | 21.99                    | 21.86                  | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 50        | 21.75                 | 21.88                    | 21.85                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.78                 | 21.92                    | 21.90                  |                     |          |  |
| 20                  | 16QAM      | 1       | 0         | 21.76                 | 21.85                    | 21.80                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.83                 | 21.87                    | 21.83                  | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 99        | 21.71                 | 21.81                    | 21.68                  |                     |          |  |
| 20                  | 16QAM      | 50      | 0         | 20.74                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.82                 | 20.88                    | 20.78                  | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 50        | 20.93                 | 20.96                    | 20.91                  |                     |          |  |
| 20                  | 16QAM      | 100     | 0         | 20.84                 | 20.90                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.75                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.06                 | 21.06                    | 21.03                  | 22                  | 2        |  |
| 20                  | 64QAM      | 1       | 99        | 20.82                 | 21.00                    | 20.94                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 19.96                 | 20.03                    | 20.01                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 20.03                 | 20.11                    | 20.02                  | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 20.03                 | 20.17                    | 20.12                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.86                 | 19.97                    | 19.92                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.86                 | 22.93                    | 22.89                  |                     |          |  |
| 15                  | QPSK       | 1       | 37        | 22.78                 | 22.85                    | 22.79                  | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 74        | 22.75                 | 22.79                    | 22.71                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.71                 | 21.99                    | 21.86                  |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 21.78                 | 21.94                    | 21.77                  | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 39        | 21.64                 | 21.74                    | 21.82                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.72                 | 21.79                    | 21.81                  |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.72                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.68                 | 21.78                    | 21.78                  | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 74        | 21.64                 | 21.72                    | 21.62                  |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 20.60                 | 20.69                    | 20.68                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.67                 | 20.85                    | 20.64                  | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 39        | 20.86                 | 20.82                    | 20.75                  |                     |          |  |
| 15                  | 16QAM      | 75      | 0         | 20.74                 | 20.77                    | 20.76                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.81                 | 20.71                    | 20.67                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.01                 | 20.93                    | 20.96                  | 22                  | 2        |  |
| 15                  | 64QAM      | 1       | 74        | 20.78                 | 20.87                    | 20.81                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 19.93                 | 19.96                    | 19.96                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.88                 | 20.03                    | 19.99                  | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.98                 | 20.05                    | 19.98                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.75                 | 19.91                    | 19.84                  |                     |          |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.82                 | 22.88                    | 22.82                  |                     |          |  |
| 10                  | QPSK       | 1       | 25        | 22.75                 | 22.85                    | 22.80                  | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 49        | 22.76                 | 22.85                    | 22.75                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.73                 | 21.98                    | 21.84                  | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 21.74                 | 21.86                    | 21.81                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 21.67                 | 21.76                    | 21.78                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.66                 | 21.80                    | 21.86                  |                     |          |  |
| 10                  | 16QAM      | 1       | 0         | 21.64                 | 21.79                    | 21.67                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.70                 | 21.75                    | 21.71                  | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 49        | 21.64                 | 21.66                    | 21.54                  |                     |          |  |
| 10                  | 16QAM      | 25      | 0         | 20.69                 | 20.74                    | 20.66                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.78                 | 20.80                    | 20.69                  | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 25        | 20.86                 | 20.84                    | 20.77                  |                     |          |  |
| 10                  | 16QAM      | 50      | 0         | 20.78                 | 20.86                    | 20.65                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.64                 | 20.79                    | 20.68                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.82                 | 20.95                    | 20.96                  | 22                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 20.80                 | 20.95                    | 20.84                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 19.83                 | 19.92                    | 19.87                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.81                 | 20.01                    | 19.88                  | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.89                 | 20.10                    | 20.07                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.81                 | 19.87                    | 19.88                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.87                 | 22.84                    | 22.85                  |                     |          |  |
| 5                   | QPSK       | 1       | 12        | 22.83                 | 22.82                    | 22.77                  | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 24        | 22.72                 | 22.84                    | 22.67                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.78                 | 21.96                    | 21.83                  | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 21.73                 | 21.88                    | 21.77                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 21.71                 | 21.82                    | 21.72                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.84                 | 21.89                    | 21.76                  |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 21.72                 | 21.71                    | 21.72                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.72                 | 21.75                    | 21.73                  | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 24        | 21.64                 | 21.72                    | 21.61                  |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 20.86                 | 20.88                    | 20.70                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.73                 | 20.85                    | 20.73                  | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 13        | 20.88                 | 20.86                    | 20.75                  |                     |          |  |
| 5                   | 16QAM      | 25      | 0         | 20.77                 | 20.84                    | 20.73                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.77                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.83                 | 20.82                    | 20.82                  | 22                  | 2        |  |
| 5                   | 64QAM      | 1       | 24        | 20.87                 | 20.88                    | 20.81                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 19.87                 | 19.87                    | 19.86                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.93                 | 20.07                    | 19.99                  | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.99                 | 20.06                    | 20.08                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.73                 | 19.91                    | 19.80                  |                     |          |  |









Reduced Power for DS12 for Main PA

| GSM850 Ant1 Default |                           |       |       |                     |                           |       |       |                     |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|                     | 128                       | 169   | 251   |                     | 128                       | 169   | 251   |                     |
| TX Channel          | 924.2                     | 935.4 | 945.8 | 924.2               | 935.4                     | 945.8 | 924.2 | 935.4               |
| Frequency (MHz)     | 32.87                     | 32.91 | 32.84 | 33.50               | 23.87                     | 23.91 | 23.84 | 24.50               |
| GSM 1 Tx slot       | 32.76                     | 32.82 | 32.70 | 33.50               | 23.76                     | 23.82 | 23.70 | 24.50               |
| GPRS 2 Tx slots     | 31.81                     | 31.87 | 31.73 | 32.50               | 25.81                     | 25.87 | 25.73 | 26.50               |
| GPRS 3 Tx slots     | 29.99                     | 30.09 | 29.98 | 31.00               | 25.73                     | 25.83 | 25.72 | 26.74               |
| GPRS 4 Tx slots     | 28.87                     | 28.98 | 28.87 | 30.00               | 25.87                     | 25.98 | 25.87 | 27.00               |
| EDGE 1 Tx slot      | 27.19                     | 27.24 | 27.20 | 28.50               | 18.19                     | 18.24 | 18.20 | 19.50               |
| EDGE 2 Tx slots     | 26.06                     | 26.18 | 26.06 | 27.50               | 20.06                     | 20.18 | 20.06 | 21.50               |
| EDGE 3 Tx slots     | 24.06                     | 24.20 | 24.10 | 25.50               | 19.80                     | 19.94 | 19.84 | 21.24               |
| EDGE 4 Tx slots     | 22.74                     | 22.86 | 22.82 | 24.00               | 19.74                     | 19.86 | 19.82 | 21.00               |

| GSM1900 Ant1 Default |                           |       |        |                     |                           |        |        |                     |
|----------------------|---------------------------|-------|--------|---------------------|---------------------------|--------|--------|---------------------|
| GSM1900              | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |        |        | Tune-up Limit (dBm) |
|                      | 512                       | 651   | 810    |                     | 512                       | 651    | 810    |                     |
| TX Channel           | 1850.2                    | 1880  | 1899.8 | 1850.2              | 1880                      | 1899.8 | 1850.2 | 1880                |
| Frequency (MHz)      | 29.12                     | 29.19 | 29.02  | 30.50               | 20.12                     | 20.19  | 20.02  | 21.50               |
| GSM 1 Tx slot        | 29.07                     | 29.09 | 29.00  | 30.50               | 20.07                     | 20.09  | 20.00  | 21.50               |
| GPRS 2 Tx slots      | 28.35                     | 28.41 | 28.28  | 29.50               | 22.35                     | 22.41  | 22.28  | 23.50               |
| GPRS 3 Tx slots      | 26.69                     | 26.71 | 26.62  | 28.00               | 22.43                     | 22.45  | 22.36  | 23.74               |
| GPRS 4 Tx slots      | 25.61                     | 25.69 | 25.67  | 27.00               | 22.61                     | 22.69  | 22.67  | 24.00               |
| EDGE 1 Tx slot       | 25.53                     | 25.61 | 25.58  | 27.00               | 16.53                     | 16.61  | 16.58  | 18.00               |
| EDGE 2 Tx slots      | 24.50                     | 24.66 | 24.55  | 26.00               | 18.50                     | 18.66  | 18.55  | 20.00               |
| EDGE 3 Tx slots      | 22.47                     | 22.55 | 22.40  | 24.00               | 18.21                     | 18.29  | 18.14  | 19.74               |
| EDGE 4 Tx slots      | 21.11                     | 21.20 | 21.17  | 22.50               | 18.11                     | 18.20  | 18.17  | 19.50               |

| Band            | WCDMA II Ant1 Default   |       |        | Tune-up Limit (dBm) | WCDMA IV Ant1 Default |        |       | WCDMA V Ant1 Default |       |        | Tune-up Limit (dBm) |        |       |
|-----------------|-------------------------|-------|--------|---------------------|-----------------------|--------|-------|----------------------|-------|--------|---------------------|--------|-------|
|                 | 9262                    | 9400  | 9538   |                     | 1312                  | 1413   | 1513  | 4132                 | 4182  | 4233   |                     |        |       |
| TX Channel      | 9662                    | 9800  | 9938   | 1537                | 1638                  | 1738   | 4357  | 4407                 | 4458  | 9662   | 9800                | 9938   |       |
| Rx Channel      | 1852.4                  | 1880  | 1907.6 | 1712.4              | 1732.6                | 1752.6 | 826.4 | 836.4                | 846.6 | 1852.4 | 1880                | 1907.6 |       |
| Frequency (MHz) | 23.05                   | 23.20 | 23.09  | 24.00               | 22.90                 | 23.13  | 23.01 | 24.00                | 22.92 | 23.06  | 22.97               | 24.00  |       |
| 3GPP Rel 99     | AMR 12.2Kbps            | 23.10 | 23.23  | 23.20               | 24.00                 | 23.00  | 23.17 | 23.08                | 24.00 | 23.03  | 23.12               | 23.10  | 24.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 22.17 | 22.23  | 22.13               | 23.00                 | 22.05  | 22.19 | 22.02                | 23.00 | 22.05  | 22.16               | 22.05  | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-1         | 22.02 | 22.07  | 22.14               | 23.00                 | 21.95  | 22.03 | 22.09                | 23.00 | 21.90  | 21.96               | 21.97  | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-2         | 21.55 | 21.63  | 21.46               | 22.50                 | 21.41  | 21.50 | 21.32                | 22.50 | 21.40  | 21.54               | 21.36  | 22.50 |
| 3GPP Rel 6      | HSDPA Subtest-3         | 21.68 | 21.69  | 21.53               | 22.50                 | 21.60  | 21.66 | 21.48                | 22.50 | 21.55  | 21.58               | 21.43  | 22.50 |
| 3GPP Rel 6      | HSDPA Subtest-4         | 22.33 | 22.22  | 22.08               | 23.00                 | 22.28  | 22.09 | 21.97                | 23.00 | 22.16  | 22.10               | 22.02  | 23.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 21.87 | 22.09  | 21.91               | 23.00                 | 21.79  | 22.02 | 21.79                | 23.00 | 21.77  | 21.96               | 21.84  | 23.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 21.48 | 21.40  | 21.33               | 22.50                 | 21.37  | 21.26 | 21.28                | 22.50 | 21.33  | 21.33               | 21.18  | 22.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 21.49 | 21.61  | 21.47               | 22.50                 | 21.38  | 21.48 | 21.35                | 22.50 | 21.33  | 21.45               | 21.40  | 22.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 22.31 | 22.39  | 22.00               | 23.00                 | 22.26  | 22.33 | 21.94                | 23.00 | 22.16  | 22.22               | 21.94  | 23.00 |
| 3GPP Rel 6      | HSUPA Subtest-1         | 20.10 | 20.31  | 20.26               | 21.00                 | 19.99  | 20.26 | 20.13                | 21.00 | 20.04  | 20.24               | 20.17  | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-2         | 21.29 | 21.30  | 21.14               | 22.00                 | 21.22  | 21.21 | 21.07                | 22.00 | 21.18  | 21.14               | 21.01  | 22.00 |
| 3GPP Rel 6      | HSUPA Subtest-3         | 20.14 | 20.09  | 20.12               | 21.00                 | 20.00  | 20.06 | 20.07                | 21.00 | 20.07  | 19.95               | 19.96  | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-4         | 22.08 | 22.05  | 22.00               | 23.00                 | 22.05  | 21.99 | 21.88                | 23.00 | 21.93  | 21.90               | 21.85  | 23.00 |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 19.56 | 19.73  | 19.64               | 20.50                 | 19.45  | 19.65 | 19.59                | 20.50 | 19.43  | 19.62               | 19.48  | 20.50 |







| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 2050                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.90                 | 22.99                    | 22.94                  |                     |          |  |
| 20                  | QPSK       | 1       | 49        | 22.88                 | 22.89                    | 22.87                  | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 99        | 22.85                 | 22.91                    | 22.81                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.84                 | 22.04                    | 21.96                  |                     |          |  |
| 20                  | QPSK       | 50      | 24        | 21.85                 | 21.99                    | 21.86                  | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 50        | 21.75                 | 21.88                    | 21.85                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.78                 | 21.92                    | 21.90                  |                     |          |  |
| 20                  | 16QAM      | 1       | 0         | 21.76                 | 21.85                    | 21.80                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.83                 | 21.87                    | 21.83                  | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 99        | 21.71                 | 21.81                    | 21.68                  |                     |          |  |
| 20                  | 16QAM      | 50      | 0         | 20.74                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.82                 | 20.88                    | 20.78                  | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 50        | 20.93                 | 20.96                    | 20.91                  |                     |          |  |
| 20                  | 16QAM      | 100     | 0         | 20.84                 | 20.90                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.75                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.06                 | 21.06                    | 21.03                  | 22                  | 2        |  |
| 20                  | 64QAM      | 1       | 99        | 20.82                 | 21.00                    | 20.94                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 19.96                 | 20.03                    | 20.01                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 20.03                 | 20.11                    | 20.02                  | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 20.03                 | 20.17                    | 20.12                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.86                 | 19.97                    | 19.92                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.86                 | 22.93                    | 22.89                  |                     |          |  |
| 15                  | QPSK       | 1       | 37        | 22.78                 | 22.85                    | 22.79                  | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 74        | 22.75                 | 22.79                    | 22.71                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.71                 | 21.99                    | 21.86                  |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 21.78                 | 21.94                    | 21.77                  | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 39        | 21.64                 | 21.74                    | 21.82                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.72                 | 21.79                    | 21.81                  |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.72                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.68                 | 21.78                    | 21.78                  | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 74        | 21.64                 | 21.72                    | 21.62                  |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 20.60                 | 20.69                    | 20.68                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.67                 | 20.85                    | 20.64                  | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 39        | 20.86                 | 20.82                    | 20.75                  |                     |          |  |
| 15                  | 16QAM      | 75      | 0         | 20.74                 | 20.77                    | 20.76                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.81                 | 20.71                    | 20.67                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.01                 | 20.93                    | 20.96                  | 22                  | 2        |  |
| 15                  | 64QAM      | 1       | 74        | 20.78                 | 20.87                    | 20.81                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 19.93                 | 19.96                    | 19.96                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.88                 | 20.03                    | 19.99                  | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.98                 | 20.05                    | 19.98                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.75                 | 19.91                    | 19.84                  |                     |          |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.82                 | 22.88                    | 22.82                  |                     |          |  |
| 10                  | QPSK       | 1       | 25        | 22.75                 | 22.85                    | 22.80                  | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 49        | 22.76                 | 22.85                    | 22.75                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.73                 | 21.98                    | 21.84                  |                     |          |  |
| 10                  | QPSK       | 25      | 12        | 21.74                 | 21.86                    | 21.81                  | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 25        | 21.67                 | 21.76                    | 21.78                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.66                 | 21.80                    | 21.86                  |                     |          |  |
| 10                  | 16QAM      | 1       | 0         | 21.64                 | 21.79                    | 21.67                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.70                 | 21.75                    | 21.71                  | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 49        | 21.64                 | 21.66                    | 21.54                  |                     |          |  |
| 10                  | 16QAM      | 25      | 0         | 20.69                 | 20.74                    | 20.66                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.78                 | 20.80                    | 20.69                  | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 25        | 20.86                 | 20.84                    | 20.77                  |                     |          |  |
| 10                  | 16QAM      | 50      | 0         | 20.78                 | 20.86                    | 20.65                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.64                 | 20.79                    | 20.68                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.82                 | 20.95                    | 20.96                  | 22                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 20.80                 | 20.95                    | 20.84                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 19.83                 | 19.92                    | 19.87                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.81                 | 20.01                    | 19.88                  | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.89                 | 20.10                    | 20.07                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.81                 | 19.87                    | 19.88                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.87                 | 22.84                    | 22.85                  |                     |          |  |
| 5                   | QPSK       | 1       | 12        | 22.83                 | 22.82                    | 22.77                  | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 24        | 22.72                 | 22.84                    | 22.67                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.78                 | 21.96                    | 21.83                  |                     |          |  |
| 5                   | QPSK       | 12      | 7         | 21.73                 | 21.88                    | 21.77                  | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 13        | 21.71                 | 21.82                    | 21.72                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.84                 | 21.89                    | 21.76                  |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 21.72                 | 21.71                    | 21.72                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.72                 | 21.75                    | 21.73                  | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 24        | 21.64                 | 21.72                    | 21.61                  |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 20.86                 | 20.88                    | 20.70                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.73                 | 20.85                    | 20.73                  | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 13        | 20.88                 | 20.86                    | 20.75                  |                     |          |  |
| 5                   | 16QAM      | 25      | 0         | 20.77                 | 20.84                    | 20.73                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.77                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.83                 | 20.82                    | 20.82                  | 22                  | 2        |  |
| 5                   | 64QAM      | 1       | 24        | 20.87                 | 20.88                    | 20.81                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 19.87                 | 19.87                    | 19.86                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.93                 | 20.07                    | 19.99                  | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.99                 | 20.06                    | 20.08                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.73                 | 19.91                    | 19.80                  |                     |          |  |









Reduced Power for DSI 3 for Main PA

| GSM850 Ant1 Default |                           |       |       |                     |                           |       |       |                     |       |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|-------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |       |
|                     | 178                       | 189   | 251   |                     | 178                       | 189   | 251   |                     |       |
| TX Channel          | 924.2                     | 935.4 | 946.6 | 924.2               | 935.4                     | 946.6 | 924.2 | 935.4               | 946.6 |
| Frequency (MHz)     | 32.87                     | 32.91 | 32.84 | 33.50               | 23.87                     | 23.91 | 23.84 | 24.50               |       |
| GSM 1 Tx slot       | 32.76                     | 32.82 | 32.70 | 33.50               | 23.76                     | 23.82 | 23.70 | 24.50               |       |
| GPRS 1 Tx slot      | 31.81                     | 31.87 | 31.73 | 32.50               | 25.81                     | 25.87 | 25.73 | 26.50               |       |
| GPRS 2 Tx slots     | 29.99                     | 30.09 | 29.98 | 31.00               | 25.73                     | 25.83 | 25.72 | 26.74               |       |
| GPRS 3 Tx slots     | 28.87                     | 28.98 | 28.87 | 30.00               | 25.87                     | 25.98 | 25.87 | 27.00               |       |
| GPRS 4 Tx slots     | 27.19                     | 27.24 | 27.20 | 28.50               | 18.19                     | 18.24 | 18.20 | 19.50               |       |
| EDGE 1 Tx slot      | 26.06                     | 26.18 | 26.06 | 27.50               | 20.06                     | 20.18 | 20.06 | 21.50               |       |
| EDGE 2 Tx slots     | 24.06                     | 24.20 | 24.10 | 25.50               | 19.80                     | 19.94 | 19.84 | 21.24               |       |
| EDGE 3 Tx slots     | 22.74                     | 22.86 | 22.82 | 24.00               | 19.74                     | 19.86 | 19.82 | 21.00               |       |
| EDGE 4 Tx slots     |                           |       |       |                     |                           |       |       |                     |       |

  

| GSM1900 Ant1 DSI3 |                           |       |        |                     |                           |        |        |                     |        |
|-------------------|---------------------------|-------|--------|---------------------|---------------------------|--------|--------|---------------------|--------|
| GSM1900           | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |        |        | Tune-up Limit (dBm) |        |
|                   | 512                       | 661   | 810    |                     | 512                       | 661    | 810    |                     |        |
| TX Channel        | 1850.2                    | 1880  | 1909.8 | 1850.2              | 1880                      | 1909.8 | 1850.2 | 1880                | 1909.8 |
| Frequency (MHz)   | 23.63                     | 23.71 | 23.51  | 25.00               | 14.63                     | 14.71  | 14.51  | 16.00               |        |
| GSM 1 Tx slot     | 23.59                     | 23.61 | 23.51  | 25.00               | 14.59                     | 14.61  | 14.51  | 16.00               |        |
| GPRS 1 Tx slot    | 22.83                     | 22.90 | 22.78  | 24.00               | 16.83                     | 16.90  | 16.78  | 18.00               |        |
| GPRS 2 Tx slots   | 21.18                     | 21.20 | 21.11  | 22.50               | 16.92                     | 16.94  | 16.85  | 18.24               |        |
| GPRS 3 Tx slots   | 20.12                     | 20.21 | 20.19  | 21.50               | 17.12                     | 17.21  | 17.19  | 18.50               |        |
| GPRS 4 Tx slots   | 20.03                     | 20.10 | 20.07  | 21.50               | 11.03                     | 11.10  | 11.07  | 12.50               |        |
| EDGE 1 Tx slot    | 18.99                     | 19.16 | 19.07  | 20.50               | 12.99                     | 13.16  | 13.07  | 14.50               |        |
| EDGE 2 Tx slots   | 16.97                     | 17.07 | 16.89  | 18.50               | 12.71                     | 12.81  | 12.63  | 14.24               |        |
| EDGE 3 Tx slots   | 15.61                     | 15.68 | 15.68  | 17.00               | 12.61                     | 12.68  | 12.68  | 14.00               |        |
| EDGE 4 Tx slots   |                           |       |        |                     |                           |        |        |                     |        |

  

| Band            | WCDMA II                |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) | WCDMA V |       |       | Tune-up Limit (dBm) |       |
|-----------------|-------------------------|-------|--------|---------------------|----------|--------|--------|---------------------|---------|-------|-------|---------------------|-------|
|                 | 9262                    | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     | 4132    | 4182  | 4233  |                     |       |
| TX Channel      | 9662                    | 9800  | 9938   | 9662                | 1537     | 1638   | 1738   | 9662                | 4357    | 4407  | 4458  | 9662                |       |
| Rx Channel      | 1852.4                  | 1880  | 1907.6 | 1852.4              | 1712.4   | 1732.6 | 1752.6 | 1852.4              | 826.4   | 836.4 | 846.6 | 1852.4              |       |
| Frequency (MHz) |                         |       |        |                     |          |        |        |                     |         |       |       |                     |       |
| 3GPP Rel 99     | AMR 12.2Kbps            | 19.15 | 19.22  | 19.08               | 20.00    | 20.95  | 21.14  | 21.01               | 22.00   | 22.92 | 23.06 | 22.97               | 24.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 19.22 | 19.25  | 19.13               | 20.00    | 20.91  | 21.28  | 21.06               | 22.00   | 23.03 | 23.12 | 23.10               | 24.00 |
| 3GPP Rel 6      | HSDPA Subtest-1         | 18.16 | 18.40  | 18.05               | 19.00    | 20.23  | 20.30  | 20.21               | 21.00   | 22.05 | 22.16 | 22.05               | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-2         | 17.98 | 17.97  | 18.06               | 19.00    | 20.05  | 19.97  | 20.23               | 21.00   | 21.90 | 21.96 | 21.97               | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-3         | 17.40 | 17.83  | 17.50               | 18.50    | 19.57  | 19.34  | 19.14               | 20.50   | 21.40 | 21.54 | 21.36               | 22.50 |
| 3GPP Rel 6      | HSDPA Subtest-4         | 17.72 | 17.73  | 17.62               | 18.50    | 19.57  | 19.78  | 19.56               | 20.50   | 21.55 | 21.56 | 21.43               | 22.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 18.27 | 18.18  | 17.94               | 19.00    | 20.24  | 20.11  | 19.96               | 21.00   | 22.16 | 22.10 | 22.02               | 23.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 17.83 | 17.62  | 17.81               | 19.00    | 19.98  | 19.95  | 19.64               | 21.00   | 21.77 | 21.96 | 21.84               | 23.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 17.45 | 17.29  | 17.38               | 18.50    | 19.31  | 19.35  | 19.34               | 20.50   | 21.33 | 21.33 | 21.18               | 22.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 17.71 | 17.57  | 17.44               | 18.50    | 19.37  | 19.48  | 19.28               | 20.50   | 21.33 | 21.45 | 21.40               | 22.50 |
| 3GPP Rel 6      | HSUPA Subtest-1         | 18.31 | 18.53  | 18.12               | 19.00    | 20.14  | 20.53  | 20.50               | 21.00   | 22.16 | 22.22 | 21.94               | 23.00 |
| 3GPP Rel 6      | HSUPA Subtest-2         | 16.29 | 16.23  | 16.35               | 17.00    | 17.98  | 18.39  | 18.03               | 19.00   | 20.04 | 20.24 | 20.17               | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-3         | 17.34 | 17.28  | 17.29               | 18.00    | 19.28  | 19.23  | 18.99               | 20.00   | 21.18 | 21.14 | 21.01               | 22.00 |
| 3GPP Rel 6      | HSUPA Subtest-4         | 16.08 | 16.22  | 16.23               | 17.00    | 18.15  | 18.13  | 18.10               | 19.00   | 20.07 | 19.95 | 19.96               | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-5         | 18.06 | 18.16  | 18.12               | 19.00    | 19.93  | 19.89  | 19.89               | 21.00   | 21.93 | 21.90 | 21.85               | 23.00 |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 15.44 | 15.80  | 15.70               | 16.50    | 17.27  | 17.67  | 17.46               | 18.50   | 19.43 | 19.62 | 19.48               | 20.50 |





| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 2050                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.90                 | 22.99                    | 22.94                  |                     |          |  |
| 20                  | QPSK       | 1       | 49        | 22.88                 | 22.89                    | 22.87                  | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 99        | 22.85                 | 22.91                    | 22.81                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.84                 | 22.04                    | 21.96                  |                     |          |  |
| 20                  | QPSK       | 50      | 24        | 21.85                 | 21.99                    | 21.86                  | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 50        | 21.75                 | 21.88                    | 21.85                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.78                 | 21.92                    | 21.90                  |                     |          |  |
| 20                  | 16QAM      | 1       | 0         | 21.76                 | 21.85                    | 21.80                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.83                 | 21.87                    | 21.83                  | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 99        | 21.71                 | 21.81                    | 21.68                  |                     |          |  |
| 20                  | 16QAM      | 50      | 0         | 20.74                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.82                 | 20.88                    | 20.78                  | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 50        | 20.93                 | 20.96                    | 20.91                  |                     |          |  |
| 20                  | 16QAM      | 100     | 0         | 20.84                 | 20.90                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.75                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.06                 | 21.06                    | 21.03                  | 22                  | 2        |  |
| 20                  | 64QAM      | 1       | 99        | 20.82                 | 21.00                    | 20.94                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 19.96                 | 20.03                    | 20.01                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 20.03                 | 20.11                    | 20.02                  | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 20.03                 | 20.17                    | 20.12                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.86                 | 19.97                    | 19.92                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.86                 | 22.93                    | 22.89                  | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 37        | 22.78                 | 22.85                    | 22.79                  |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 22.75                 | 22.79                    | 22.71                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.71                 | 21.99                    | 21.86                  |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 21.78                 | 21.94                    | 21.77                  | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 39        | 21.64                 | 21.74                    | 21.82                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.72                 | 21.79                    | 21.81                  |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.72                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.68                 | 21.78                    | 21.78                  | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 74        | 21.64                 | 21.72                    | 21.62                  |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 20.60                 | 20.69                    | 20.68                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.67                 | 20.85                    | 20.64                  | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 39        | 20.86                 | 20.82                    | 20.75                  |                     |          |  |
| 15                  | 16QAM      | 75      | 0         | 20.74                 | 20.77                    | 20.76                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.81                 | 20.71                    | 20.67                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.01                 | 20.93                    | 20.96                  | 22                  | 2        |  |
| 15                  | 64QAM      | 1       | 74        | 20.78                 | 20.87                    | 20.81                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 19.93                 | 19.96                    | 19.96                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.88                 | 20.03                    | 19.99                  | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.98                 | 20.05                    | 19.98                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.75                 | 19.91                    | 19.84                  |                     |          |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.82                 | 22.88                    | 22.82                  | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 25        | 22.75                 | 22.85                    | 22.80                  |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 22.76                 | 22.85                    | 22.75                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.73                 | 21.98                    | 21.84                  | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 21.74                 | 21.86                    | 21.81                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 21.67                 | 21.76                    | 21.78                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.69                 | 21.80                    | 21.86                  |                     |          |  |
| 10                  | 16QAM      | 1       | 0         | 21.64                 | 21.79                    | 21.67                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.70                 | 21.75                    | 21.71                  | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 49        | 21.64                 | 21.66                    | 21.54                  |                     |          |  |
| 10                  | 16QAM      | 25      | 0         | 20.69                 | 20.74                    | 20.66                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.78                 | 20.80                    | 20.69                  | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 25        | 20.86                 | 20.84                    | 20.77                  |                     |          |  |
| 10                  | 16QAM      | 50      | 0         | 20.78                 | 20.86                    | 20.65                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.64                 | 20.79                    | 20.68                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.82                 | 20.95                    | 20.96                  | 22                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 20.80                 | 20.95                    | 20.84                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 19.83                 | 19.92                    | 19.87                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.81                 | 20.01                    | 19.88                  | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.89                 | 20.10                    | 20.07                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.81                 | 19.87                    | 19.88                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.87                 | 22.84                    | 22.85                  | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 12        | 22.83                 | 22.82                    | 22.77                  |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 22.72                 | 22.84                    | 22.67                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.78                 | 21.96                    | 21.83                  | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 21.73                 | 21.88                    | 21.77                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 21.71                 | 21.82                    | 21.72                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.84                 | 21.89                    | 21.76                  |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 21.72                 | 21.71                    | 21.72                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.72                 | 21.75                    | 21.73                  | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 24        | 21.64                 | 21.72                    | 21.61                  |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 20.86                 | 20.88                    | 20.70                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.73                 | 20.85                    | 20.73                  | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 13        | 20.88                 | 20.86                    | 20.75                  |                     |          |  |
| 5                   | 16QAM      | 25      | 0         | 20.77                 | 20.84                    | 20.73                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.77                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.83                 | 20.82                    | 20.82                  | 22                  | 2        |  |
| 5                   | 64QAM      | 1       | 24        | 20.87                 | 20.88                    | 20.81                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 19.87                 | 19.87                    | 19.86                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.93                 | 20.07                    | 19.99                  | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.99                 | 20.06                    | 20.08                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.73                 | 19.91                    | 19.80                  |                     |          |  |







| GSM850 Ant7 Default |                           |       |       |                     |                           |       |       |                     |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|                     | TX Channel                | 128   | 189   |                     | 251                       | 128   | 189   |                     |
| Frequency (MHz)     | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot       | 31.32                     | 31.38 | 31.36 | 32.50               | 22.32                     | 22.38 | 22.36 | 23.50               |
| GPRS 1 Tx slot      | 31.31                     | 31.35 | 31.22 | 32.50               | 22.31                     | 22.35 | 22.22 | 23.50               |
| GPRS 2 Tx slots     | 30.35                     | 30.42 | 30.36 | 31.50               | 24.35                     | 24.42 | 24.36 | 25.50               |
| GPRS 3 Tx slots     | 28.53                     | 28.61 | 28.51 | 29.50               | 24.27                     | 24.35 | 24.25 | 25.24               |
| GPRS 4 Tx slots     | 27.36                     | 27.47 | 27.34 | 28.50               | 24.36                     | 24.47 | 24.34 | 25.50               |
| EDGE 1 Tx slot      | 25.68                     | 25.78 | 25.74 | 26.50               | 16.68                     | 16.78 | 16.74 | 17.50               |
| EDGE 2 Tx slots     | 24.59                     | 24.73 | 24.59 | 25.50               | 18.59                     | 18.73 | 18.59 | 19.50               |
| EDGE 3 Tx slots     | 22.53                     | 22.63 | 22.58 | 23.50               | 18.27                     | 18.37 | 18.32 | 19.24               |
| EDGE 4 Tx slots     | 21.30                     | 21.38 | 21.34 | 22.50               | 18.30                     | 18.38 | 18.34 | 19.50               |

| GSM1900 Ant7 Default |                           |       |        |                     |                           |       |        |                     |
|----------------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
| GSM1900              | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|                      | TX Channel                | 512   | 661    |                     | 810                       | 512   | 661    |                     |
| Frequency (MHz)      | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot        | 26.80                     | 26.88 | 26.82  | 28.50               | 17.80                     | 17.88 | 17.82  | 19.50               |
| GPRS 1 Tx slot       | 26.73                     | 26.83 | 26.76  | 28.50               | 17.73                     | 17.83 | 17.76  | 19.50               |
| GPRS 2 Tx slots      | 26.09                     | 26.21 | 26.15  | 27.50               | 20.09                     | 20.21 | 20.15  | 21.50               |
| GPRS 3 Tx slots      | 24.35                     | 24.48 | 24.38  | 26.00               | 20.09                     | 20.22 | 20.12  | 21.74               |
| GPRS 4 Tx slots      | 23.33                     | 23.45 | 23.37  | 25.00               | 20.33                     | 20.45 | 20.37  | 22.00               |
| EDGE 1 Tx slot       | 23.28                     | 23.43 | 23.25  | 25.00               | 14.28                     | 14.43 | 14.25  | 16.00               |
| EDGE 2 Tx slots      | 22.31                     | 22.42 | 22.29  | 24.00               | 16.31                     | 16.42 | 16.29  | 18.00               |
| EDGE 3 Tx slots      | 20.21                     | 20.34 | 20.28  | 22.00               | 15.95                     | 16.08 | 16.00  | 17.74               |
| EDGE 4 Tx slots      | 18.97                     | 19.04 | 18.94  | 20.50               | 15.97                     | 16.04 | 15.94  | 17.50               |

| Band            | WCDMA II Ant7 Default   |          |         | Tune-up Limit (dBm) | WCDMA IV Ant7 Default |          |         | Tune-up Limit (dBm) | WCDMA V Ant7 Default |       |       | Tune-up Limit (dBm) |       |
|-----------------|-------------------------|----------|---------|---------------------|-----------------------|----------|---------|---------------------|----------------------|-------|-------|---------------------|-------|
|                 | WCDMA II                | WCDMA IV | WCDMA V |                     | WCDMA II              | WCDMA IV | WCDMA V |                     |                      |       |       |                     |       |
| TX Channel      | 9262                    | 9400     | 9538    |                     | 1312                  | 1413     | 1513    |                     | 4132                 | 4182  | 4233  |                     |       |
| Rx Channel      | 9662                    | 9800     | 9938    |                     | 1537                  | 1638     | 1738    |                     | 4357                 | 4407  | 4458  |                     |       |
| Frequency (MHz) | 1852.4                  | 1880     | 1907.6  |                     | 1712.4                | 1732.6   | 1752.6  |                     | 826.4                | 836.4 | 846.6 |                     |       |
| 3GPP Rel 99     | AMR 12.2Kbps            | 20.70    | 20.75   | 20.67               | 22.00                 | 20.85    | 21.11   | 21.07               | 22.00                | 21.50 | 21.68 | 21.65               | 23.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 20.77    | 20.80   | 20.73               | 22.00                 | 20.99    | 21.19   | 21.14               | 22.00                | 21.59 | 21.75 | 21.68               | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-1         | 19.82    | 20.00   | 19.78               | 21.00                 | 20.08    | 20.21   | 20.02               | 21.00                | 20.71 | 20.85 | 20.81               | 22.00 |
| 3GPP Rel 6      | HSDPA Subtest-2         | 19.72    | 19.76   | 19.69               | 21.00                 | 19.99    | 20.01   | 19.99               | 21.00                | 20.62 | 20.60 | 20.54               | 22.00 |
| 3GPP Rel 6      | HSDPA Subtest-3         | 19.10    | 19.22   | 19.05               | 20.50                 | 19.38    | 19.46   | 19.33               | 20.50                | 19.98 | 20.09 | 19.96               | 21.50 |
| 3GPP Rel 6      | HSDPA Subtest-4         | 19.33    | 19.37   | 19.35               | 20.50                 | 19.66    | 19.56   | 19.60               | 20.50                | 20.19 | 20.16 | 20.15               | 21.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 19.79    | 19.81   | 19.77               | 21.00                 | 20.01    | 20.09   | 20.09               | 21.00                | 20.65 | 20.73 | 20.68               | 22.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 19.63    | 19.66   | 19.62               | 21.00                 | 19.91    | 19.97   | 19.83               | 21.00                | 20.46 | 20.51 | 20.45               | 22.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 18.88    | 19.09   | 18.97               | 20.50                 | 19.21    | 19.39   | 19.21               | 20.50                | 19.86 | 19.99 | 19.79               | 21.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 19.12    | 19.09   | 19.03               | 20.50                 | 19.31    | 19.49   | 19.29               | 20.50                | 19.93 | 20.04 | 19.93               | 21.50 |
| 3GPP Rel 6      | HSUPA Subtest-1         | 19.75    | 19.95   | 19.67               | 21.00                 | 20.06    | 20.19   | 19.99               | 21.00                | 20.65 | 20.76 | 20.60               | 22.00 |
| 3GPP Rel 6      | HSUPA Subtest-2         | 17.73    | 18.01   | 17.87               | 19.00                 | 18.02    | 18.18   | 18.19               | 19.00                | 18.66 | 18.82 | 18.80               | 20.00 |
| 3GPP Rel 6      | HSUPA Subtest-3         | 18.86    | 19.03   | 18.98               | 20.00                 | 18.99    | 19.26   | 19.23               | 20.00                | 19.64 | 19.86 | 19.82               | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-4         | 17.75    | 17.87   | 17.67               | 19.00                 | 17.99    | 18.16   | 17.93               | 19.00                | 18.64 | 18.73 | 18.55               | 20.00 |
| 3GPP Rel 6      | HSUPA Subtest-5         | 19.56    | 19.68   | 19.70               | 21.00                 | 19.98    | 20.02   | 19.94               | 21.00                | 20.51 | 20.64 | 20.55               | 22.00 |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 17.29    | 17.43   | 17.35               | 18.50                 | 17.61    | 17.74   | 17.55               | 18.50                | 18.17 | 18.28 | 18.17               | 19.50 |





Reduced Power for DSI 4 for Main PA

| GSM850 Ant1 Default |                           |       |       |                     |                           |       |       |                     |  |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|--|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |  |
|                     | 178                       | 189   | 251   |                     | 178                       | 189   | 251   |                     |  |
| TX Channel          | 924.2                     | 935.4 | 946.6 | 30.0                | 30.0                      | 30.0  | 30.0  | 30.0                |  |
| Frequency (MHz)     | 924.2                     | 935.4 | 946.6 | 30.0                | 30.0                      | 30.0  | 30.0  | 30.0                |  |
| GSM 1 Tx slot       | 32.87                     | 32.91 | 32.84 | 33.50               | 23.87                     | 23.91 | 23.84 | 24.50               |  |
| GPRS 1 Tx slot      | 32.76                     | 32.82 | 32.70 | 33.50               | 23.76                     | 23.82 | 23.70 | 24.50               |  |
| GPRS 2 Tx slots     | 31.81                     | 31.87 | 31.73 | 32.50               | 25.81                     | 25.87 | 25.73 | 26.50               |  |
| GPRS 3 Tx slots     | 29.99                     | 30.09 | 29.98 | 31.00               | 25.73                     | 25.83 | 25.72 | 26.74               |  |
| GPRS 4 Tx slots     | 28.87                     | 28.98 | 28.87 | 30.00               | 25.87                     | 25.98 | 25.87 | 27.00               |  |
| EDGE 1 Tx slot      | 27.19                     | 27.24 | 27.20 | 28.50               | 18.19                     | 18.24 | 18.20 | 19.50               |  |
| EDGE 2 Tx slots     | 26.06                     | 26.18 | 26.06 | 27.50               | 20.06                     | 20.18 | 20.06 | 21.50               |  |
| EDGE 3 Tx slots     | 24.06                     | 24.20 | 24.10 | 25.50               | 19.80                     | 19.94 | 19.84 | 21.24               |  |
| EDGE 4 Tx slots     | 22.74                     | 22.86 | 22.82 | 24.00               | 19.74                     | 19.86 | 19.82 | 21.00               |  |

  

| GSM1900 Ant1 Default |                           |       |        |                     |                           |       |       |                     |  |
|----------------------|---------------------------|-------|--------|---------------------|---------------------------|-------|-------|---------------------|--|
| GSM1900              | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |  |
|                      | 512                       | 661   | 810    |                     | 512                       | 661   | 810   |                     |  |
| TX Channel           | 1850.2                    | 1880  | 1909.8 | 30.50               | 20.12                     | 20.19 | 20.02 | 21.50               |  |
| Frequency (MHz)      | 1850.2                    | 1880  | 1909.8 | 30.50               | 20.12                     | 20.19 | 20.02 | 21.50               |  |
| GSM 1 Tx slot        | 29.12                     | 29.19 | 29.02  | 30.50               | 20.12                     | 20.19 | 20.02 | 21.50               |  |
| GPRS 1 Tx slot       | 29.07                     | 29.09 | 29.00  | 30.50               | 20.07                     | 20.09 | 20.00 | 21.50               |  |
| GPRS 2 Tx slots      | 28.35                     | 28.41 | 28.28  | 29.50               | 22.35                     | 22.41 | 22.28 | 23.50               |  |
| GPRS 3 Tx slots      | 26.69                     | 26.71 | 26.62  | 28.00               | 22.43                     | 22.45 | 22.36 | 23.74               |  |
| GPRS 4 Tx slots      | 25.61                     | 25.69 | 25.67  | 27.00               | 22.61                     | 22.69 | 22.67 | 24.00               |  |
| EDGE 1 Tx slot       | 25.53                     | 25.61 | 25.58  | 27.00               | 16.53                     | 16.61 | 16.58 | 18.00               |  |
| EDGE 2 Tx slots      | 24.50                     | 24.66 | 24.55  | 26.00               | 18.50                     | 18.66 | 18.55 | 20.00               |  |
| EDGE 3 Tx slots      | 22.47                     | 22.55 | 22.40  | 24.00               | 18.21                     | 18.29 | 18.14 | 19.74               |  |
| EDGE 4 Tx slots      | 21.11                     | 21.20 | 21.17  | 22.50               | 18.11                     | 18.20 | 18.17 | 19.50               |  |

  

| Band                               | WCDMA II Default |       |        | Tune-up Limit (dBm) | WCDMA IV Ant1 Default |        |        | Tune-up Limit (dBm) | WCDMA V Ant1 Default |       |       | Tune-up Limit (dBm) |
|------------------------------------|------------------|-------|--------|---------------------|-----------------------|--------|--------|---------------------|----------------------|-------|-------|---------------------|
|                                    | 9262             | 9400  | 9538   |                     | 1312                  | 1413   | 1513   |                     | 4132                 | 4182  | 4233  |                     |
| TX Channel                         | 9262             | 9400  | 9538   | 24.00               | 1312                  | 1413   | 1513   | 24.00               | 4132                 | 4182  | 4233  | 24.00               |
| Rx Channel                         | 9662             | 9800  | 9938   | 24.00               | 1537                  | 1638   | 1738   | 24.00               | 4357                 | 4407  | 4458  | 24.00               |
| Frequency (MHz)                    | 1852.4           | 1880  | 1907.6 | 23.00               | 1712.4                | 1732.6 | 1752.6 | 23.00               | 426.4                | 436.4 | 446.6 | 23.00               |
| 3GPP Rel 99 AMR 12.2Kbps           | 23.05            | 23.20 | 23.09  | 24.00               | 22.90                 | 23.13  | 23.01  | 24.00               | 22.92                | 23.06 | 22.97 | 24.00               |
| 3GPP Rel 99 RMC 12.2Kbps           | 23.10            | 23.23 | 23.20  | 24.00               | 23.00                 | 23.17  | 23.08  | 24.00               | 23.03                | 23.12 | 23.10 | 24.00               |
| 3GPP Rel 6 HSDPA Subtest-1         | 22.17            | 22.23 | 22.13  | 23.00               | 22.05                 | 22.19  | 22.02  | 23.00               | 22.05                | 22.16 | 22.05 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-2         | 22.02            | 22.07 | 22.14  | 23.00               | 21.95                 | 22.03  | 22.09  | 23.00               | 21.90                | 21.96 | 21.97 | 23.00               |
| 3GPP Rel 6 HSDPA Subtest-3         | 21.55            | 21.63 | 21.46  | 22.50               | 21.41                 | 21.50  | 21.32  | 22.50               | 21.40                | 21.54 | 21.36 | 22.50               |
| 3GPP Rel 6 HSDPA Subtest-4         | 21.68            | 21.69 | 21.53  | 22.50               | 21.60                 | 21.66  | 21.48  | 22.50               | 21.55                | 21.56 | 21.43 | 22.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-1      | 22.33            | 22.22 | 22.08  | 23.00               | 22.28                 | 22.09  | 21.97  | 23.00               | 22.16                | 22.10 | 22.02 | 23.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-2      | 21.87            | 22.09 | 21.91  | 23.00               | 21.79                 | 22.02  | 21.79  | 23.00               | 21.77                | 21.96 | 21.84 | 23.00               |
| 3GPP Rel 8 DC-HSDPA Subtest-3      | 21.48            | 21.40 | 21.33  | 22.50               | 21.37                 | 21.26  | 21.28  | 22.50               | 21.33                | 21.33 | 21.18 | 22.50               |
| 3GPP Rel 8 DC-HSDPA Subtest-4      | 21.49            | 21.61 | 21.47  | 22.50               | 21.38                 | 21.48  | 21.35  | 22.50               | 21.33                | 21.45 | 21.40 | 22.50               |
| 3GPP Rel 6 HSUPA Subtest-1         | 22.31            | 22.39 | 22.00  | 23.00               | 22.26                 | 22.33  | 21.84  | 23.00               | 22.16                | 22.22 | 21.94 | 23.00               |
| 3GPP Rel 6 HSUPA Subtest-2         | 20.10            | 20.31 | 20.26  | 21.00               | 19.99                 | 20.26  | 20.13  | 21.00               | 20.04                | 20.24 | 20.17 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-3         | 21.29            | 21.30 | 21.14  | 22.00               | 21.22                 | 21.21  | 21.07  | 22.00               | 21.18                | 21.14 | 21.01 | 22.00               |
| 3GPP Rel 6 HSUPA Subtest-4         | 20.14            | 20.09 | 20.12  | 21.00               | 20.00                 | 20.06  | 20.07  | 21.00               | 20.07                | 19.95 | 19.96 | 21.00               |
| 3GPP Rel 6 HSUPA Subtest-5         | 22.08            | 22.05 | 22.00  | 23.00               | 22.05                 | 21.99  | 21.88  | 23.00               | 21.93                | 21.90 | 21.85 | 23.00               |
| 3GPP Rel 7 HSPA+ (16QAM) Subtest-1 | 19.56            | 19.73 | 19.64  | 20.50               | 19.45                 | 19.65  | 19.59  | 20.50               | 19.43                | 19.62 | 19.48 | 20.50               |





| Band 7 Ant2 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 2050                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.90                 | 22.99                    | 22.94                  |                     |          |  |
| 20                  | QPSK       | 1       | 49        | 22.88                 | 22.89                    | 22.87                  | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 99        | 22.85                 | 22.91                    | 22.81                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.84                 | 22.04                    | 21.96                  |                     |          |  |
| 20                  | QPSK       | 50      | 24        | 21.85                 | 21.99                    | 21.86                  | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 50        | 21.75                 | 21.88                    | 21.85                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.78                 | 21.92                    | 21.90                  |                     |          |  |
| 20                  | 16QAM      | 1       | 0         | 21.76                 | 21.85                    | 21.80                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.83                 | 21.87                    | 21.83                  | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 99        | 21.71                 | 21.81                    | 21.68                  |                     |          |  |
| 20                  | 16QAM      | 50      | 0         | 20.74                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.82                 | 20.88                    | 20.78                  | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 50        | 20.93                 | 20.96                    | 20.91                  |                     |          |  |
| 20                  | 16QAM      | 100     | 0         | 20.84                 | 20.90                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.75                 | 20.83                    | 20.80                  |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.06                 | 21.06                    | 21.03                  | 22                  | 2        |  |
| 20                  | 64QAM      | 1       | 99        | 20.82                 | 21.00                    | 20.94                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 19.96                 | 20.03                    | 20.01                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 20.03                 | 20.11                    | 20.02                  | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 20.03                 | 20.17                    | 20.12                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.86                 | 19.97                    | 19.92                  |                     |          |  |
| Channel             |            |         |           | 20825                 | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.86                 | 22.93                    | 22.89                  |                     |          |  |
| 15                  | QPSK       | 1       | 37        | 22.78                 | 22.85                    | 22.79                  | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 74        | 22.75                 | 22.79                    | 22.71                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.71                 | 21.99                    | 21.86                  |                     |          |  |
| 15                  | QPSK       | 36      | 20        | 21.78                 | 21.94                    | 21.77                  | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 39        | 21.64                 | 21.74                    | 21.82                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.72                 | 21.79                    | 21.81                  |                     |          |  |
| 15                  | 16QAM      | 1       | 0         | 21.71                 | 21.81                    | 21.72                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.68                 | 21.78                    | 21.78                  | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 74        | 21.64                 | 21.72                    | 21.62                  |                     |          |  |
| 15                  | 16QAM      | 36      | 0         | 20.60                 | 20.69                    | 20.68                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.67                 | 20.85                    | 20.64                  | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 39        | 20.86                 | 20.82                    | 20.75                  |                     |          |  |
| 15                  | 16QAM      | 75      | 0         | 20.74                 | 20.77                    | 20.76                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.81                 | 20.71                    | 20.67                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 21.01                 | 20.93                    | 20.96                  | 22                  | 2        |  |
| 15                  | 64QAM      | 1       | 74        | 20.78                 | 20.87                    | 20.81                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 19.93                 | 19.96                    | 19.96                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.88                 | 20.03                    | 19.99                  | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.98                 | 20.05                    | 19.98                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.75                 | 19.91                    | 19.84                  |                     |          |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.82                 | 22.88                    | 22.82                  |                     |          |  |
| 10                  | QPSK       | 1       | 25        | 22.75                 | 22.85                    | 22.80                  | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 49        | 22.76                 | 22.85                    | 22.75                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.73                 | 21.98                    | 21.84                  | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 21.74                 | 21.86                    | 21.81                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 21.67                 | 21.76                    | 21.78                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.69                 | 21.80                    | 21.86                  |                     |          |  |
| 10                  | 16QAM      | 1       | 0         | 21.64                 | 21.79                    | 21.67                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.70                 | 21.75                    | 21.71                  | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 49        | 21.64                 | 21.66                    | 21.54                  |                     |          |  |
| 10                  | 16QAM      | 25      | 0         | 20.69                 | 20.74                    | 20.66                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.78                 | 20.80                    | 20.69                  | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 25        | 20.86                 | 20.84                    | 20.77                  |                     |          |  |
| 10                  | 16QAM      | 50      | 0         | 20.78                 | 20.86                    | 20.65                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.64                 | 20.79                    | 20.68                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.82                 | 20.95                    | 20.96                  | 22                  | 2        |  |
| 10                  | 64QAM      | 1       | 49        | 20.80                 | 20.95                    | 20.84                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 19.83                 | 19.92                    | 19.87                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.81                 | 20.01                    | 19.88                  | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.89                 | 20.10                    | 20.07                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.81                 | 19.87                    | 19.88                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.87                 | 22.84                    | 22.85                  |                     |          |  |
| 5                   | QPSK       | 1       | 12        | 22.83                 | 22.82                    | 22.77                  | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 24        | 22.72                 | 22.84                    | 22.67                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.78                 | 21.96                    | 21.83                  | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 21.73                 | 21.88                    | 21.77                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 21.71                 | 21.82                    | 21.72                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.84                 | 21.89                    | 21.76                  |                     |          |  |
| 5                   | 16QAM      | 1       | 0         | 21.72                 | 21.71                    | 21.72                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.72                 | 21.75                    | 21.73                  | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 24        | 21.64                 | 21.72                    | 21.61                  |                     |          |  |
| 5                   | 16QAM      | 12      | 0         | 20.86                 | 20.88                    | 20.70                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.73                 | 20.85                    | 20.73                  | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 13        | 20.88                 | 20.86                    | 20.75                  |                     |          |  |
| 5                   | 16QAM      | 25      | 0         | 20.77                 | 20.84                    | 20.73                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.67                 | 20.75                    | 20.77                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.83                 | 20.82                    | 20.82                  | 22                  | 2        |  |
| 5                   | 64QAM      | 1       | 24        | 20.87                 | 20.88                    | 20.81                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 19.87                 | 19.87                    | 19.86                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.93                 | 20.07                    | 19.99                  | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.99                 | 20.06                    | 20.08                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.73                 | 19.91                    | 19.80                  |                     |          |  |





| GSM850 Ant7 Default |                           |       |       |                     |                           |       |       |                     |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|                     | TX Channel                | 128   | 189   |                     | 251                       | 128   | 189   |                     |
| Frequency (MHz)     | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot       | 31.32                     | 31.38 | 31.36 | 32.50               | 22.32                     | 22.38 | 22.36 | 23.50               |
| GPRS 1 Tx slot      | 31.31                     | 31.35 | 31.22 | 32.50               | 22.31                     | 22.35 | 22.22 | 23.50               |
| GPRS 2 Tx slots     | 30.35                     | 30.42 | 30.36 | 31.50               | 24.35                     | 24.42 | 24.36 | 25.50               |
| GPRS 3 Tx slots     | 28.53                     | 28.61 | 28.51 | 29.50               | 24.27                     | 24.35 | 24.25 | 25.24               |
| GPRS 4 Tx slots     | 27.36                     | 27.47 | 27.34 | 28.50               | 24.36                     | 24.47 | 24.34 | 25.50               |
| EDGE 1 Tx slot      | 25.68                     | 25.78 | 25.74 | 26.50               | 16.68                     | 16.78 | 16.74 | 17.50               |
| EDGE 2 Tx slots     | 24.59                     | 24.73 | 24.59 | 25.50               | 18.59                     | 18.73 | 18.59 | 19.50               |
| EDGE 3 Tx slots     | 22.53                     | 22.63 | 22.58 | 23.50               | 18.27                     | 18.37 | 18.32 | 19.24               |
| EDGE 4 Tx slots     | 21.30                     | 21.38 | 21.34 | 22.50               | 18.30                     | 18.38 | 18.34 | 19.50               |

| GSM1900 Ant7 Default |                           |       |        |                     |                           |       |        |                     |
|----------------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
| GSM1900              | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|                      | TX Channel                | 512   | 661    |                     | 810                       | 512   | 661    |                     |
| Frequency (MHz)      | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot        | 26.80                     | 26.88 | 26.82  | 28.50               | 17.80                     | 17.88 | 17.82  | 19.50               |
| GPRS 1 Tx slot       | 26.73                     | 26.83 | 26.76  | 28.50               | 17.73                     | 17.83 | 17.76  | 19.50               |
| GPRS 2 Tx slots      | 26.09                     | 26.21 | 26.15  | 27.50               | 20.09                     | 20.21 | 20.15  | 21.50               |
| GPRS 3 Tx slots      | 24.35                     | 24.48 | 24.38  | 26.00               | 20.09                     | 20.22 | 20.12  | 21.74               |
| GPRS 4 Tx slots      | 23.33                     | 23.45 | 23.37  | 25.00               | 20.33                     | 20.45 | 20.37  | 22.00               |
| EDGE 1 Tx slot       | 23.28                     | 23.43 | 23.25  | 25.00               | 14.28                     | 14.43 | 14.25  | 16.00               |
| EDGE 2 Tx slots      | 22.31                     | 22.42 | 22.29  | 24.00               | 16.31                     | 16.42 | 16.29  | 18.00               |
| EDGE 3 Tx slots      | 20.21                     | 20.34 | 20.28  | 22.00               | 15.95                     | 16.08 | 16.00  | 17.74               |
| EDGE 4 Tx slots      | 18.97                     | 19.04 | 18.94  | 20.50               | 15.97                     | 16.04 | 15.94  | 17.50               |

| Band            | WCDMA II Ant7 Default   |       |        | Tune-up Limit (dBm) | WCDMA IV Ant7 Default |        |        | Tune-up Limit (dBm) | WCDMA V Ant7 Default |       |       | Tune-up Limit (dBm) |       |
|-----------------|-------------------------|-------|--------|---------------------|-----------------------|--------|--------|---------------------|----------------------|-------|-------|---------------------|-------|
|                 | WCDMA II                | 1312  | 1413   |                     | 1513                  | 4132   | 4182   |                     | 4233                 |       |       |                     |       |
| TX Channel      | 9262                    | 9400  | 9538   |                     | 1312                  | 1413   | 1513   |                     | 4132                 | 4182  | 4233  |                     |       |
| Rx Channel      | 9662                    | 9800  | 9938   |                     | 1537                  | 1638   | 1738   |                     | 4357                 | 4407  | 4458  |                     |       |
| Frequency (MHz) | 1852.4                  | 1880  | 1907.6 |                     | 1712.4                | 1732.6 | 1752.6 |                     | 826.4                | 836.4 | 846.6 |                     |       |
| 3GPP Rel 99     | AMR 12.2Kbps            | 20.70 | 20.75  | 20.67               | 22.00                 | 20.85  | 21.11  | 21.07               | 22.00                | 21.50 | 21.68 | 21.65               | 23.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 20.77 | 20.80  | 20.73               | 22.00                 | 20.99  | 21.19  | 21.14               | 22.00                | 21.59 | 21.75 | 21.68               | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-1         | 19.82 | 20.00  | 19.78               | 21.00                 | 20.08  | 20.21  | 20.02               | 21.00                | 20.71 | 20.85 | 20.81               | 22.00 |
| 3GPP Rel 6      | HSDPA Subtest-2         | 19.72 | 19.76  | 19.69               | 21.00                 | 19.99  | 20.01  | 19.99               | 21.00                | 20.62 | 20.60 | 20.54               | 22.00 |
| 3GPP Rel 6      | HSDPA Subtest-3         | 19.10 | 19.22  | 19.05               | 20.50                 | 19.38  | 19.46  | 19.33               | 20.50                | 19.98 | 20.09 | 19.96               | 21.50 |
| 3GPP Rel 6      | HSDPA Subtest-4         | 19.33 | 19.37  | 19.35               | 20.50                 | 19.66  | 19.56  | 19.60               | 20.50                | 20.19 | 20.16 | 20.15               | 21.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 19.79 | 19.81  | 19.77               | 21.00                 | 20.01  | 20.09  | 20.09               | 21.00                | 20.65 | 20.73 | 20.68               | 22.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 19.63 | 19.66  | 19.62               | 21.00                 | 19.91  | 19.97  | 19.83               | 21.00                | 20.46 | 20.51 | 20.45               | 22.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 18.88 | 19.09  | 18.97               | 20.50                 | 19.21  | 19.39  | 19.21               | 20.50                | 19.86 | 19.99 | 19.79               | 21.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 19.12 | 19.09  | 19.03               | 20.50                 | 19.31  | 19.49  | 19.29               | 20.50                | 19.93 | 20.04 | 19.93               | 21.50 |
| 3GPP Rel 6      | HSUPA Subtest-1         | 19.75 | 19.95  | 19.67               | 21.00                 | 20.06  | 20.19  | 19.99               | 21.00                | 20.65 | 20.76 | 20.60               | 22.00 |
| 3GPP Rel 6      | HSUPA Subtest-2         | 17.73 | 18.01  | 17.87               | 19.00                 | 18.02  | 18.18  | 18.19               | 19.00                | 18.66 | 18.82 | 18.80               | 20.00 |
| 3GPP Rel 6      | HSUPA Subtest-3         | 18.86 | 19.03  | 18.98               | 20.00                 | 18.99  | 19.26  | 19.23               | 20.00                | 19.64 | 19.86 | 19.82               | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-4         | 17.75 | 17.87  | 17.67               | 19.00                 | 17.99  | 18.16  | 17.93               | 19.00                | 18.64 | 18.73 | 18.55               | 20.00 |
| 3GPP Rel 6      | HSUPA Subtest-5         | 19.56 | 19.68  | 19.70               | 21.00                 | 19.98  | 20.02  | 19.94               | 21.00                | 20.51 | 20.64 | 20.55               | 22.00 |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 17.29 | 17.43  | 17.35               | 18.50                 | 17.61  | 17.74  | 17.55               | 18.50                | 18.17 | 18.28 | 18.17               | 19.50 |











### Band 7 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           | 2050                | 2100                   | 2150                 |                     |          |
| Frequency (MHz) |            |         |           | 2510                | 2535                   | 2560                 |                     |          |
| 20              | QPSK       | 1       | 0         | 22.90               | 22.99                  | 22.94                |                     |          |
| 20              | QPSK       | 1       | 49        | 22.88               | 22.89                  | 22.87                | 24                  | 0        |
| 20              | QPSK       | 1       | 99        | 22.85               | 22.91                  | 22.81                |                     |          |
| 20              | QPSK       | 50      | 0         | 21.84               | 22.04                  | 21.96                |                     |          |
| 20              | QPSK       | 50      | 24        | 21.85               | 21.99                  | 21.86                | 23                  | 1        |
| 20              | QPSK       | 50      | 50        | 21.75               | 21.88                  | 21.85                |                     |          |
| 20              | QPSK       | 100     | 0         | 21.78               | 21.92                  | 21.90                |                     |          |
| 20              | 16QAM      | 1       | 0         | 21.76               | 21.85                  | 21.80                |                     |          |
| 20              | 16QAM      | 1       | 49        | 21.83               | 21.87                  | 21.83                | 23                  | 1        |
| 20              | 16QAM      | 1       | 99        | 21.71               | 21.81                  | 21.68                |                     |          |
| 20              | 16QAM      | 50      | 0         | 20.74               | 20.83                  | 20.80                |                     |          |
| 20              | 16QAM      | 50      | 24        | 20.82               | 20.88                  | 20.78                | 22                  | 2        |
| 20              | 16QAM      | 50      | 50        | 20.93               | 20.96                  | 20.91                |                     |          |
| 20              | 16QAM      | 100     | 0         | 20.84               | 20.90                  | 20.80                |                     |          |
| 20              | 64QAM      | 1       | 0         | 20.75               | 20.83                  | 20.80                |                     |          |
| 20              | 64QAM      | 1       | 49        | 21.06               | 21.06                  | 21.03                | 22                  | 2        |
| 20              | 64QAM      | 1       | 99        | 20.82               | 21.00                  | 20.94                |                     |          |
| 20              | 64QAM      | 50      | 0         | 19.96               | 20.03                  | 20.01                |                     |          |
| 20              | 64QAM      | 50      | 24        | 20.03               | 20.11                  | 20.02                | 21                  | 3        |
| 20              | 64QAM      | 50      | 50        | 20.03               | 20.17                  | 20.12                |                     |          |
| 20              | 64QAM      | 100     | 0         | 19.86               | 19.97                  | 19.92                |                     |          |
| Channel         |            |         |           | 20825               | 21100                  | 21375                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2507.5              | 2535                   | 2562.5               |                     |          |
| 15              | QPSK       | 1       | 0         | 22.86               | 22.93                  | 22.89                |                     |          |
| 15              | QPSK       | 1       | 37        | 22.78               | 22.85                  | 22.79                | 24                  | 0        |
| 15              | QPSK       | 1       | 74        | 22.75               | 22.79                  | 22.71                |                     |          |
| 15              | QPSK       | 36      | 0         | 21.71               | 21.99                  | 21.86                |                     |          |
| 15              | QPSK       | 36      | 20        | 21.78               | 21.94                  | 21.77                | 23                  | 1        |
| 15              | QPSK       | 36      | 39        | 21.64               | 21.74                  | 21.82                |                     |          |
| 15              | QPSK       | 75      | 0         | 21.72               | 21.79                  | 21.81                |                     |          |
| 15              | 16QAM      | 1       | 0         | 21.71               | 21.81                  | 21.72                |                     |          |
| 15              | 16QAM      | 1       | 37        | 21.68               | 21.78                  | 21.78                | 23                  | 1        |
| 15              | 16QAM      | 1       | 74        | 21.64               | 21.72                  | 21.62                |                     |          |
| 15              | 16QAM      | 36      | 0         | 20.60               | 20.69                  | 20.68                |                     |          |
| 15              | 16QAM      | 36      | 20        | 20.67               | 20.85                  | 20.64                | 22                  | 2        |
| 15              | 16QAM      | 36      | 39        | 20.86               | 20.82                  | 20.75                |                     |          |
| 15              | 16QAM      | 75      | 0         | 20.74               | 20.77                  | 20.76                |                     |          |
| 15              | 64QAM      | 1       | 0         | 20.81               | 20.71                  | 20.67                |                     |          |
| 15              | 64QAM      | 1       | 37        | 21.01               | 20.93                  | 20.96                | 22                  | 2        |
| 15              | 64QAM      | 1       | 74        | 20.78               | 20.87                  | 20.81                |                     |          |
| 15              | 64QAM      | 36      | 0         | 19.93               | 19.96                  | 19.96                |                     |          |
| 15              | 64QAM      | 36      | 20        | 19.88               | 20.03                  | 19.99                | 21                  | 3        |
| 15              | 64QAM      | 36      | 39        | 19.98               | 20.05                  | 19.98                |                     |          |
| 15              | 64QAM      | 75      | 0         | 19.75               | 19.91                  | 19.84                |                     |          |
| Channel         |            |         |           | 20800               | 21100                  | 21400                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2505                | 2535                   | 2565                 |                     |          |
| 10              | QPSK       | 1       | 0         | 22.82               | 22.88                  | 22.82                |                     |          |
| 10              | QPSK       | 1       | 25        | 22.75               | 22.85                  | 22.80                | 24                  | 0        |
| 10              | QPSK       | 1       | 49        | 22.76               | 22.85                  | 22.75                |                     |          |
| 10              | QPSK       | 25      | 0         | 21.73               | 21.98                  | 21.84                |                     |          |
| 10              | QPSK       | 25      | 12        | 21.74               | 21.86                  | 21.81                | 23                  | 1        |
| 10              | QPSK       | 25      | 25        | 21.67               | 21.76                  | 21.78                |                     |          |
| 10              | QPSK       | 50      | 0         | 21.69               | 21.80                  | 21.86                |                     |          |
| 10              | 16QAM      | 1       | 0         | 21.64               | 21.79                  | 21.67                |                     |          |
| 10              | 16QAM      | 1       | 25        | 21.70               | 21.75                  | 21.71                | 23                  | 1        |
| 10              | 16QAM      | 1       | 49        | 21.64               | 21.66                  | 21.54                |                     |          |
| 10              | 16QAM      | 25      | 0         | 20.69               | 20.74                  | 20.66                |                     |          |
| 10              | 16QAM      | 25      | 12        | 20.78               | 20.80                  | 20.69                | 22                  | 2        |
| 10              | 16QAM      | 25      | 25        | 20.86               | 20.84                  | 20.77                |                     |          |
| 10              | 16QAM      | 50      | 0         | 20.78               | 20.86                  | 20.65                |                     |          |
| 10              | 64QAM      | 1       | 0         | 20.64               | 20.79                  | 20.68                |                     |          |
| 10              | 64QAM      | 1       | 25        | 20.82               | 20.95                  | 20.96                | 22                  | 2        |
| 10              | 64QAM      | 1       | 49        | 20.80               | 20.95                  | 20.84                |                     |          |
| 10              | 64QAM      | 25      | 0         | 19.83               | 19.92                  | 19.87                |                     |          |
| 10              | 64QAM      | 25      | 12        | 19.81               | 20.01                  | 19.88                | 21                  | 3        |
| 10              | 64QAM      | 25      | 25        | 19.89               | 20.10                  | 20.07                |                     |          |
| 10              | 64QAM      | 50      | 0         | 19.81               | 19.87                  | 19.88                |                     |          |
| Channel         |            |         |           | 20775               | 21100                  | 21425                | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 2502.5              | 2535                   | 2567.5               |                     |          |
| 5               | QPSK       | 1       | 0         | 22.87               | 22.84                  | 22.85                |                     |          |
| 5               | QPSK       | 1       | 12        | 22.83               | 22.82                  | 22.77                | 24                  | 0        |
| 5               | QPSK       | 1       | 24        | 22.72               | 22.84                  | 22.67                |                     |          |
| 5               | QPSK       | 12      | 0         | 21.78               | 21.96                  | 21.83                |                     |          |
| 5               | QPSK       | 12      | 7         | 21.73               | 21.88                  | 21.77                | 23                  | 1        |
| 5               | QPSK       | 12      | 13        | 21.71               | 21.82                  | 21.72                |                     |          |
| 5               | QPSK       | 25      | 0         | 21.84               | 21.89                  | 21.76                |                     |          |
| 5               | 16QAM      | 1       | 0         | 21.72               | 21.71                  | 21.72                |                     |          |
| 5               | 16QAM      | 1       | 12        | 21.72               | 21.75                  | 21.73                | 23                  | 1        |
| 5               | 16QAM      | 1       | 24        | 21.64               | 21.72                  | 21.61                |                     |          |
| 5               | 16QAM      | 12      | 0         | 20.86               | 20.88                  | 20.70                |                     |          |
| 5               | 16QAM      | 12      | 7         | 20.73               | 20.85                  | 20.73                | 22                  | 2        |
| 5               | 16QAM      | 12      | 13        | 20.88               | 20.86                  | 20.75                |                     |          |
| 5               | 16QAM      | 25      | 0         | 20.77               | 20.84                  | 20.73                |                     |          |
| 5               | 64QAM      | 1       | 0         | 20.67               | 20.75                  | 20.77                |                     |          |
| 5               | 64QAM      | 1       | 12        | 20.83               | 20.82                  | 20.82                | 22                  | 2        |
| 5               | 64QAM      | 1       | 24        | 20.87               | 20.88                  | 20.81                |                     |          |
| 5               | 64QAM      | 12      | 0         | 19.87               | 19.87                  | 19.86                |                     |          |
| 5               | 64QAM      | 12      | 7         | 19.93               | 20.07                  | 19.99                | 21                  | 3        |
| 5               | 64QAM      | 12      | 13        | 19.99               | 20.06                  | 20.08                |                     |          |
| 5               | 64QAM      | 25      | 0         | 19.73               | 19.91                  | 19.80                |                     |          |





| GSM850          | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
|                 | TX Channel                | 128   | 189   |                     | 251                       | 128   | 189   |                     |
| Frequency (MHz) | 824.2                     | 836.4 | 848.8 |                     | 824.2                     | 836.4 | 848.8 |                     |
| GSM 1 Tx slot   | 31.32                     | 31.38 | 31.36 | 32.50               | 22.32                     | 22.38 | 22.36 | 23.50               |
| GPRS 1 Tx slot  | 31.31                     | 31.35 | 31.22 | 32.50               | 22.31                     | 22.35 | 22.22 | 23.50               |
| GPRS 2 Tx slots | 30.35                     | 30.42 | 30.36 | 31.50               | 24.35                     | 24.42 | 24.36 | 25.50               |
| GPRS 3 Tx slots | 28.53                     | 28.61 | 28.51 | 29.50               | 24.27                     | 24.35 | 24.25 | 25.24               |
| GPRS 4 Tx slots | 27.36                     | 27.47 | 27.34 | 28.50               | 24.36                     | 24.47 | 24.34 | 25.50               |
| EDGE 1 Tx slot  | 25.68                     | 25.78 | 25.74 | 26.50               | 16.68                     | 16.78 | 16.74 | 17.50               |
| EDGE 2 Tx slots | 24.59                     | 24.73 | 24.59 | 25.50               | 18.59                     | 18.73 | 18.59 | 19.50               |
| EDGE 3 Tx slots | 22.53                     | 22.63 | 22.58 | 23.50               | 18.27                     | 18.37 | 18.32 | 19.24               |
| EDGE 4 Tx slots | 21.30                     | 21.38 | 21.34 | 22.50               | 18.30                     | 18.38 | 18.34 | 19.50               |

**GSM1900 Ant7 Default**

| GSM1900         | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |        | Tune-up Limit (dBm) |
|-----------------|---------------------------|-------|--------|---------------------|---------------------------|-------|--------|---------------------|
|                 | TX Channel                | 512   | 661    |                     | 810                       | 512   | 661    |                     |
| Frequency (MHz) | 1850.2                    | 1880  | 1909.8 |                     | 1850.2                    | 1880  | 1909.8 |                     |
| GSM 1 Tx slot   | 26.80                     | 26.88 | 26.82  | 28.50               | 17.80                     | 17.88 | 17.82  | 19.50               |
| GPRS 1 Tx slot  | 26.73                     | 26.83 | 26.76  | 28.50               | 17.73                     | 17.83 | 17.76  | 19.50               |
| GPRS 2 Tx slots | 26.09                     | 26.21 | 26.15  | 27.50               | 20.09                     | 20.21 | 20.15  | 21.50               |
| GPRS 3 Tx slots | 24.35                     | 24.48 | 24.38  | 26.00               | 20.09                     | 20.22 | 20.12  | 21.74               |
| GPRS 4 Tx slots | 23.33                     | 23.45 | 23.37  | 25.00               | 20.33                     | 20.45 | 20.37  | 22.00               |
| EDGE 1 Tx slot  | 23.28                     | 23.43 | 23.25  | 25.00               | 14.28                     | 14.43 | 14.25  | 16.00               |
| EDGE 2 Tx slots | 22.31                     | 22.42 | 22.29  | 24.00               | 16.31                     | 16.42 | 16.29  | 18.00               |
| EDGE 3 Tx slots | 20.21                     | 20.34 | 20.28  | 22.00               | 15.95                     | 16.08 | 16.00  | 17.74               |
| EDGE 4 Tx slots | 18.97                     | 19.04 | 18.94  | 20.50               | 15.97                     | 16.04 | 15.94  | 17.50               |

**WCDMA II Ant7 Default**

**WCDMA IV Ant7 Default**

**WCDMA V Ant7 Default**

| Band            | WCDMA II                |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) | WCDMA V |       |       | Tune-up Limit (dBm) |       |
|-----------------|-------------------------|-------|--------|---------------------|----------|--------|--------|---------------------|---------|-------|-------|---------------------|-------|
|                 | TX Channel              | 9262  | 9400   |                     | 9538     | 1312   | 1413   |                     | 1513    | 4132  | 4182  |                     | 4233  |
| Rx Channel      | 9662                    | 9800  | 9938   |                     | 1537     | 1638   | 1738   | 4357                | 4407    | 4458  |       |                     |       |
| Frequency (MHz) | 1852.4                  | 1880  | 1907.6 |                     | 1712.4   | 1732.6 | 1752.6 | 826.4               | 836.4   | 846.6 |       |                     |       |
| 3GPP Rel 99     | AMR 12.2Kbps            | 20.70 | 20.75  | 20.67               | 22.00    | 20.85  | 21.11  | 21.07               | 22.00   | 21.50 | 21.68 | 21.65               | 23.00 |
| 3GPP Rel 99     | RMC 12.2Kbps            | 20.77 | 20.80  | 20.73               | 22.00    | 20.99  | 21.19  | 21.14               | 22.00   | 21.59 | 21.75 | 21.68               | 23.00 |
| 3GPP Rel 6      | HSDPA Subtest-1         | 19.82 | 20.00  | 19.78               | 21.00    | 20.08  | 20.21  | 20.02               | 21.00   | 20.71 | 20.85 | 20.81               | 22.00 |
| 3GPP Rel 6      | HSDPA Subtest-2         | 19.72 | 19.76  | 19.69               | 21.00    | 19.99  | 20.01  | 19.99               | 21.00   | 20.62 | 20.60 | 20.54               | 22.00 |
| 3GPP Rel 6      | HSDPA Subtest-3         | 19.10 | 19.22  | 19.05               | 20.50    | 19.38  | 19.46  | 19.33               | 20.50   | 19.98 | 20.09 | 19.96               | 21.50 |
| 3GPP Rel 6      | HSDPA Subtest-4         | 19.33 | 19.37  | 19.35               | 20.50    | 19.66  | 19.56  | 19.60               | 20.50   | 20.19 | 20.16 | 20.15               | 21.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-1      | 19.79 | 19.81  | 19.77               | 21.00    | 20.01  | 20.09  | 20.09               | 21.00   | 20.65 | 20.73 | 20.68               | 22.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-2      | 19.63 | 19.66  | 19.62               | 21.00    | 19.91  | 19.97  | 19.83               | 21.00   | 20.46 | 20.51 | 20.45               | 22.00 |
| 3GPP Rel 8      | DC-HSDPA Subtest-3      | 18.88 | 19.09  | 18.97               | 20.50    | 19.21  | 19.39  | 19.21               | 20.50   | 19.86 | 19.99 | 19.79               | 21.50 |
| 3GPP Rel 8      | DC-HSDPA Subtest-4      | 19.12 | 19.09  | 19.03               | 20.50    | 19.31  | 19.49  | 19.29               | 20.50   | 19.93 | 20.04 | 19.93               | 21.50 |
| 3GPP Rel 6      | HSUPA Subtest-1         | 19.75 | 19.85  | 19.67               | 21.00    | 20.06  | 20.19  | 19.99               | 21.00   | 20.65 | 20.76 | 20.60               | 22.00 |
| 3GPP Rel 6      | HSUPA Subtest-2         | 17.73 | 18.01  | 17.87               | 19.00    | 18.02  | 18.18  | 18.19               | 19.00   | 18.66 | 18.82 | 18.80               | 20.00 |
| 3GPP Rel 6      | HSUPA Subtest-3         | 18.86 | 19.03  | 18.98               | 20.00    | 18.99  | 19.26  | 19.23               | 20.00   | 19.64 | 19.86 | 19.82               | 21.00 |
| 3GPP Rel 6      | HSUPA Subtest-4         | 17.75 | 17.87  | 17.67               | 19.00    | 17.99  | 18.16  | 17.93               | 19.00   | 18.64 | 18.73 | 18.55               | 20.00 |
| 3GPP Rel 6      | HSUPA Subtest-5         | 19.56 | 19.68  | 19.70               | 21.00    | 19.98  | 20.02  | 19.94               | 21.00   | 20.51 | 20.64 | 20.55               | 22.00 |
| 3GPP Rel 7      | HSPA+ (16QAM) Subtest-1 | 17.29 | 17.43  | 17.35               | 18.50    | 17.61  | 17.74  | 17.55               | 18.50   | 18.17 | 18.28 | 18.17               | 19.50 |





Reduced Power for DSI 7 for Main PA

| GSM850 Ant1 Default |                           |       |       |                     |                           |       |       |                     |
|---------------------|---------------------------|-------|-------|---------------------|---------------------------|-------|-------|---------------------|
| GSM850              | Burst Average Power (dBm) |       |       | Tune-up Limit (dBm) | Frame-Average Power (dBm) |       |       | Tune-up Limit (dBm) |
|                     | 178                       | 189   | 251   |                     | 178                       | 189   | 251   |                     |
| TX Channel          | 924.2                     | 935.4 | 946.6 | 924.2               | 935.4                     | 946.6 | 924.2 | 935.4               |
| Frequency (MHz)     | 32.87                     | 32.91 | 32.84 | 33.50               | 23.87                     | 23.91 | 23.84 | 24.50               |
| GSM 1 Tx slot       | 32.76                     | 32.82 | 32.70 | 33.50               | 23.76                     | 23.82 | 23.70 | 24.50               |
| GPRS 1 Tx slot      | 31.81                     | 31.87 | 31.73 | 32.50               | 25.81                     | 25.87 | 25.73 | 26.50               |
| GPRS 2 Tx slots     | 29.99                     | 30.09 | 29.98 | 31.00               | 25.73                     | 25.83 | 25.72 | 26.74               |
| GPRS 3 Tx slots     | 28.87                     | 28.98 | 28.87 | 30.00               | 25.87                     | 25.98 | 25.87 | 27.00               |
| GPRS 4 Tx slots     | 27.19                     | 27.24 | 27.20 | 28.50               | 18.19                     | 18.24 | 18.20 | 19.50               |
| EDGE 1 Tx slot      | 26.06                     | 26.18 | 26.06 | 27.50               | 20.06                     | 20.18 | 20.06 | 21.50               |
| EDGE 2 Tx slots     | 24.06                     | 24.20 | 24.10 | 25.50               | 19.80                     | 19.94 | 19.84 | 21.24               |
| EDGE 3 Tx slots     | 22.74                     | 22.86 | 22.82 | 24.00               | 19.74                     | 19.86 | 19.82 | 21.00               |
| EDGE 4 Tx slots     |                           |       |       |                     |                           |       |       |                     |

| GSM1900 Ant1 DSI7 |                           |       |        |                     |                           |        |        |                     |
|-------------------|---------------------------|-------|--------|---------------------|---------------------------|--------|--------|---------------------|
| GSM1900           | Burst Average Power (dBm) |       |        | Tune-up Limit (dBm) | Frame-Average Power (dBm) |        |        | Tune-up Limit (dBm) |
|                   | 512                       | 661   | 810    |                     | 512                       | 661    | 810    |                     |
| TX Channel        | 1850.2                    | 1880  | 1909.8 | 1850.2              | 1880                      | 1909.8 | 1850.2 | 1880                |
| Frequency (MHz)   | 22.63                     | 22.68 | 22.52  | 24.00               | 13.63                     | 13.68  | 13.52  | 15.00               |
| GSM 1 Tx slot     | 22.57                     | 22.58 | 22.51  | 24.00               | 13.57                     | 13.58  | 13.51  | 15.00               |
| GPRS 1 Tx slot    | 21.85                     | 21.89 | 21.79  | 23.00               | 15.85                     | 15.89  | 15.79  | 17.00               |
| GPRS 2 Tx slots   | 20.21                     | 20.23 | 20.10  | 21.50               | 15.95                     | 15.97  | 15.84  | 17.24               |
| GPRS 3 Tx slots   | 19.11                     | 19.20 | 19.17  | 20.50               | 16.11                     | 16.20  | 16.17  | 17.50               |
| GPRS 4 Tx slots   | 19.02                     | 19.11 | 19.07  | 20.50               | 10.02                     | 10.11  | 10.07  | 11.50               |
| EDGE 1 Tx slot    | 17.99                     | 18.17 | 18.03  | 19.50               | 11.99                     | 12.17  | 12.03  | 13.50               |
| EDGE 2 Tx slots   | 15.97                     | 16.03 | 15.91  | 17.50               | 11.71                     | 11.77  | 11.65  | 13.24               |
| EDGE 3 Tx slots   | 14.61                     | 14.69 | 14.69  | 16.00               | 11.61                     | 11.69  | 11.69  | 13.00               |
| EDGE 4 Tx slots   |                           |       |        |                     |                           |        |        |                     |

| Band            | WCDMA II |       |        | Tune-up Limit (dBm) | WCDMA IV |        |        | Tune-up Limit (dBm) | WCDMA V |        |       | Tune-up Limit (dBm) |
|-----------------|----------|-------|--------|---------------------|----------|--------|--------|---------------------|---------|--------|-------|---------------------|
|                 | 9262     | 9400  | 9538   |                     | 1312     | 1413   | 1513   |                     | 4132    | 4182   | 4233  |                     |
| TX Channel      | 9662     | 9800  | 9938   | 9662                | 9800     | 9938   | 9662   | 9800                | 9938    | 9662   | 9800  | 9938                |
| Rx Channel      | 1852.4   | 1880  | 1907.6 | 1852.4              | 1880     | 1907.6 | 1852.4 | 1880                | 1907.6  | 1852.4 | 1880  | 1907.6              |
| Frequency (MHz) | 16.44    | 16.61 | 16.56  | 17.50               | 18.30    | 18.51  | 18.52  | 19.50               | 22.92   | 23.06  | 22.97 | 24.00               |
| 3GPP Rel 99     | 16.58    | 16.77 | 16.69  | 17.50               | 18.48    | 18.70  | 18.47  | 19.50               | 23.03   | 23.12  | 23.10 | 24.00               |
| 3GPP Rel 99     | 15.63    | 15.63 | 15.68  | 16.50               | 17.44    | 17.70  | 17.52  | 18.50               | 22.05   | 22.16  | 22.05 | 23.00               |
| 3GPP Rel 6      | 15.59    | 15.59 | 15.65  | 16.50               | 17.37    | 17.62  | 17.63  | 18.50               | 21.90   | 21.96  | 21.97 | 23.00               |
| 3GPP Rel 6      | 15.05    | 15.06 | 14.95  | 16.00               | 16.97    | 17.09  | 16.82  | 18.00               | 21.40   | 21.54  | 21.36 | 22.50               |
| 3GPP Rel 6      | 15.22    | 15.28 | 14.98  | 16.00               | 17.20    | 17.23  | 17.03  | 18.00               | 21.55   | 21.56  | 21.43 | 22.50               |
| 3GPP Rel 8      | 15.95    | 15.71 | 15.56  | 16.50               | 17.67    | 17.69  | 17.41  | 18.50               | 22.16   | 22.10  | 22.02 | 23.00               |
| 3GPP Rel 8      | 15.43    | 15.48 | 15.49  | 16.50               | 17.26    | 17.42  | 17.22  | 18.50               | 21.77   | 21.96  | 21.84 | 23.00               |
| 3GPP Rel 8      | 14.96    | 14.87 | 14.94  | 16.00               | 16.92    | 16.84  | 16.85  | 18.00               | 21.33   | 21.33  | 21.18 | 22.50               |
| 3GPP Rel 8      | 14.98    | 15.11 | 15.00  | 16.00               | 16.96    | 16.89  | 16.79  | 18.00               | 21.33   | 21.45  | 21.40 | 22.50               |
| 3GPP Rel 6      | 15.84    | 15.97 | 15.65  | 16.50               | 17.69    | 17.92  | 17.55  | 18.50               | 22.16   | 22.22  | 21.94 | 23.00               |
| 3GPP Rel 6      | 13.52    | 13.91 | 13.71  | 14.50               | 15.59    | 15.83  | 15.58  | 16.50               | 20.04   | 20.24  | 20.17 | 21.00               |
| 3GPP Rel 6      | 14.74    | 14.84 | 14.68  | 15.50               | 16.77    | 16.79  | 16.67  | 17.50               | 21.18   | 21.14  | 21.01 | 22.00               |
| 3GPP Rel 6      | 13.70    | 13.59 | 13.65  | 14.50               | 15.58    | 15.64  | 15.53  | 16.50               | 20.07   | 19.95  | 19.96 | 21.00               |
| 3GPP Rel 6      | 15.63    | 15.61 | 15.61  | 16.50               | 17.50    | 17.57  | 17.39  | 18.50               | 21.93   | 21.90  | 21.85 | 23.00               |
| 3GPP Rel 7      | 13.09    | 13.29 | 13.21  | 14.00               | 15.03    | 15.23  | 15.03  | 16.00               | 19.43   | 19.62  | 19.48 | 20.50               |







### Band 7 Ant2 Default

| Channel                   | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---------------------------|-----------------------|--------------------------|------------------------|---------------------|----------|
| <b>Channel</b>            |                       |                          |                        |                     |          |
| <b>2050 2100 2150</b>     |                       |                          |                        |                     |          |
| <b>Frequency (MHz)</b>    |                       |                          |                        |                     |          |
| 20                        | QPSK 1 0              | 22.90 22.99              | 22.94                  | 24                  | 0        |
| 20                        | QPSK 1 49             | 22.88 22.89              | 22.87                  |                     |          |
| 20                        | QPSK 1 99             | 22.85 22.91              | 22.81                  |                     |          |
| 20                        | QPSK 50 0             | 21.84 22.04              | 21.96                  | 23                  | 1        |
| 20                        | QPSK 50 24            | 21.85 21.99              | 21.86                  |                     |          |
| 20                        | QPSK 50 50            | 21.75 21.88              | 21.85                  |                     |          |
| 20                        | QPSK 100 0            | 21.78 21.92              | 21.90                  | 23                  | 1        |
| 20                        | 16QAM 1 0             | 21.76 21.85              | 21.80                  |                     |          |
| 20                        | 16QAM 1 49            | 21.83 21.87              | 21.83                  |                     |          |
| 20                        | 16QAM 1 99            | 21.71 21.81              | 21.68                  | 22                  | 2        |
| 20                        | 16QAM 50 0            | 20.74 20.83              | 20.80                  |                     |          |
| 20                        | 16QAM 50 24           | 20.82 20.88              | 20.78                  |                     |          |
| 20                        | 16QAM 50 50           | 20.93 20.96              | 20.91                  | 22                  | 2        |
| 20                        | 16QAM 100 0           | 20.84 20.90              | 20.80                  |                     |          |
| 20                        | 64QAM 1 0             | 20.75 20.83              | 20.80                  |                     |          |
| 20                        | 64QAM 1 49            | 21.06 21.06              | 21.03                  | 21                  | 3        |
| 20                        | 64QAM 1 99            | 20.82 21.00              | 20.94                  |                     |          |
| 20                        | 64QAM 50 0            | 19.96 20.03              | 20.01                  |                     |          |
| 20                        | 64QAM 50 24           | 20.03 20.11              | 20.02                  | 20                  | 3        |
| 20                        | 64QAM 50 50           | 20.03 20.17              | 20.12                  |                     |          |
| 20                        | 64QAM 100 0           | 19.86 19.97              | 19.92                  |                     |          |
| <b>Channel</b>            |                       |                          |                        |                     |          |
| <b>20825 21100 21375</b>  |                       |                          |                        |                     |          |
| <b>Frequency (MHz)</b>    |                       |                          |                        |                     |          |
| <b>2507.5 2535 2562.5</b> |                       |                          |                        |                     |          |
| 15                        | QPSK 1 0              | 22.86 22.93              | 22.89                  | 24                  | 0        |
| 15                        | QPSK 1 37             | 22.78 22.85              | 22.79                  |                     |          |
| 15                        | QPSK 1 74             | 22.75 22.79              | 22.71                  |                     |          |
| 15                        | QPSK 36 0             | 21.71 21.99              | 21.86                  | 23                  | 1        |
| 15                        | QPSK 36 20            | 21.78 21.94              | 21.77                  |                     |          |
| 15                        | QPSK 36 39            | 21.64 21.74              | 21.82                  |                     |          |
| 15                        | QPSK 75 0             | 21.72 21.79              | 21.81                  | 23                  | 1        |
| 15                        | 16QAM 1 0             | 21.71 21.81              | 21.72                  |                     |          |
| 15                        | 16QAM 1 37            | 21.68 21.78              | 21.78                  |                     |          |
| 15                        | 16QAM 1 74            | 21.64 21.72              | 21.62                  | 22                  | 2        |
| 15                        | 16QAM 36 0            | 20.60 20.69              | 20.68                  |                     |          |
| 15                        | 16QAM 36 20           | 20.67 20.85              | 20.64                  |                     |          |
| 15                        | 16QAM 36 39           | 20.86 20.82              | 20.75                  | 22                  | 2        |
| 15                        | 16QAM 75 0            | 20.74 20.77              | 20.76                  |                     |          |
| 15                        | 64QAM 1 0             | 20.81 20.71              | 20.67                  |                     |          |
| 15                        | 64QAM 1 37            | 21.01 20.93              | 20.96                  | 21                  | 3        |
| 15                        | 64QAM 1 74            | 20.78 20.87              | 20.91                  |                     |          |
| 15                        | 64QAM 36 0            | 19.93 19.96              | 19.96                  |                     |          |
| 15                        | 64QAM 36 20           | 19.88 20.03              | 19.99                  | 20                  | 3        |
| 15                        | 64QAM 36 39           | 19.98 20.05              | 19.98                  |                     |          |
| 15                        | 64QAM 75 0            | 19.75 19.91              | 19.84                  |                     |          |
| <b>Channel</b>            |                       |                          |                        |                     |          |
| <b>20800 21100 21400</b>  |                       |                          |                        |                     |          |
| <b>Frequency (MHz)</b>    |                       |                          |                        |                     |          |
| <b>2505 2535 2565</b>     |                       |                          |                        |                     |          |
| 10                        | QPSK 1 0              | 22.82 22.88              | 22.82                  | 24                  | 0        |
| 10                        | QPSK 1 25             | 22.75 22.85              | 22.80                  |                     |          |
| 10                        | QPSK 1 49             | 22.76 22.85              | 22.75                  |                     |          |
| 10                        | QPSK 25 0             | 21.73 21.98              | 21.84                  | 23                  | 1        |
| 10                        | QPSK 25 12            | 21.74 21.86              | 21.81                  |                     |          |
| 10                        | QPSK 25 25            | 21.67 21.76              | 21.78                  |                     |          |
| 10                        | QPSK 50 0             | 21.66 21.80              | 21.86                  | 23                  | 1        |
| 10                        | 16QAM 1 0             | 21.64 21.79              | 21.67                  |                     |          |
| 10                        | 16QAM 1 25            | 21.70 21.75              | 21.71                  |                     |          |
| 10                        | 16QAM 1 49            | 21.64 21.66              | 21.54                  | 22                  | 2        |
| 10                        | 16QAM 25 0            | 20.69 20.74              | 20.66                  |                     |          |
| 10                        | 16QAM 25 12           | 20.78 20.80              | 20.69                  |                     |          |
| 10                        | 16QAM 25 25           | 20.86 20.84              | 20.77                  | 22                  | 2        |
| 10                        | 16QAM 50 0            | 20.78 20.86              | 20.65                  |                     |          |
| 10                        | 64QAM 1 0             | 20.64 20.79              | 20.68                  |                     |          |
| 10                        | 64QAM 1 25            | 20.82 20.95              | 20.96                  | 21                  | 3        |
| 10                        | 64QAM 1 49            | 20.80 20.95              | 20.84                  |                     |          |
| 10                        | 64QAM 25 0            | 19.83 19.92              | 19.87                  |                     |          |
| 10                        | 64QAM 25 12           | 19.91 20.01              | 19.88                  | 20                  | 3        |
| 10                        | 64QAM 25 25           | 19.89 20.10              | 20.07                  |                     |          |
| 10                        | 64QAM 50 0            | 19.81 19.87              | 19.88                  |                     |          |
| <b>Channel</b>            |                       |                          |                        |                     |          |
| <b>20775 21100 21425</b>  |                       |                          |                        |                     |          |
| <b>Frequency (MHz)</b>    |                       |                          |                        |                     |          |
| <b>2502.5 2535 2567.5</b> |                       |                          |                        |                     |          |
| 5                         | QPSK 1 0              | 22.87 22.84              | 22.85                  | 24                  | 0        |
| 5                         | QPSK 1 12             | 22.83 22.82              | 22.77                  |                     |          |
| 5                         | QPSK 1 24             | 22.72 22.84              | 22.67                  |                     |          |
| 5                         | QPSK 12 0             | 21.78 21.96              | 21.83                  | 23                  | 1        |
| 5                         | QPSK 12 7             | 21.73 21.88              | 21.77                  |                     |          |
| 5                         | QPSK 12 13            | 21.71 21.82              | 21.72                  |                     |          |
| 5                         | QPSK 25 0             | 21.84 21.89              | 21.76                  | 23                  | 1        |
| 5                         | 16QAM 1 0             | 21.72 21.71              | 21.72                  |                     |          |
| 5                         | 16QAM 1 12            | 21.72 21.75              | 21.73                  |                     |          |
| 5                         | 16QAM 1 24            | 21.64 21.72              | 21.61                  | 22                  | 2        |
| 5                         | 16QAM 12 0            | 20.86 20.88              | 20.70                  |                     |          |
| 5                         | 16QAM 12 7            | 20.73 20.85              | 20.73                  |                     |          |
| 5                         | 16QAM 12 13           | 20.88 20.86              | 20.75                  | 22                  | 2        |
| 5                         | 16QAM 25 0            | 20.77 20.84              | 20.73                  |                     |          |
| 5                         | 64QAM 1 0             | 20.67 20.75              | 20.77                  |                     |          |
| 5                         | 64QAM 1 12            | 20.93 20.92              | 20.92                  | 21                  | 3        |
| 5                         | 64QAM 1 24            | 20.87 20.88              | 20.81                  |                     |          |
| 5                         | 64QAM 12 0            | 19.87 19.97              | 19.86                  |                     |          |
| 5                         | 64QAM 12 7            | 19.93 20.07              | 19.99                  | 20                  | 3        |
| 5                         | 64QAM 12 13           | 19.99 20.06              | 20.08                  |                     |          |
| 5                         | 64QAM 25 0            | 19.73 19.91              | 19.80                  |                     |          |



| Band 38 Ant2 Default |            |         |           |                     |                        |                      |                     |          |  |  |  |
|----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|--|--|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |  |  |  |
| Channel              |            |         |           | 37850               | 38000                  | 38150                |                     |          |  |  |  |
| Frequency (MHz)      |            |         |           | 2580                | 2595                   | 2610                 |                     |          |  |  |  |
| 20                   | QPSK       | 1       | 0         | 22.82               | 22.67                  | 22.78                | 24                  | 0        |  |  |  |
| 20                   | QPSK       | 1       | 49        | 22.71               | 22.75                  | 22.65                |                     |          |  |  |  |
| 20                   | QPSK       | 1       | 99        | 22.70               | 22.76                  | 22.78                |                     |          |  |  |  |
| 20                   | QPSK       | 50      | 0         | 21.71               | 21.82                  | 21.70                |                     |          |  |  |  |
| 20                   | QPSK       | 50      | 24        | 21.68               | 21.73                  | 21.62                | 23                  | 1        |  |  |  |
| 20                   | QPSK       | 50      | 50        | 21.69               | 21.79                  | 21.63                |                     |          |  |  |  |
| 20                   | QPSK       | 100     | 0         | 21.67               | 21.70                  | 21.64                |                     |          |  |  |  |
| 20                   | 16QAM      | 1       | 0         | 21.57               | 21.58                  | 21.67                |                     |          |  |  |  |
| 20                   | 16QAM      | 1       | 49        | 21.52               | 21.70                  | 21.54                | 23                  | 1        |  |  |  |
| 20                   | 16QAM      | 1       | 99        | 21.45               | 21.52                  | 21.44                |                     |          |  |  |  |
| 20                   | 16QAM      | 50      | 0         | 20.76               | 20.85                  | 20.75                |                     |          |  |  |  |
| 20                   | 16QAM      | 50      | 24        | 20.61               | 20.77                  | 20.64                | 22                  | 2        |  |  |  |
| 20                   | 16QAM      | 50      | 50        | 20.68               | 20.78                  | 20.71                |                     |          |  |  |  |
| 20                   | 16QAM      | 100     | 0         | 20.67               | 20.74                  | 20.66                |                     |          |  |  |  |
| 20                   | 64QAM      | 1       | 0         | 20.31               | 20.43                  | 20.34                |                     |          |  |  |  |
| 20                   | 64QAM      | 1       | 49        | 20.42               | 20.53                  | 20.48                | 22                  | 2        |  |  |  |
| 20                   | 64QAM      | 1       | 99        | 20.48               | 20.49                  | 20.43                |                     |          |  |  |  |
| 20                   | 64QAM      | 50      | 0         | 19.84               | 19.89                  | 19.86                |                     |          |  |  |  |
| 20                   | 64QAM      | 50      | 24        | 19.81               | 19.90                  | 19.80                | 21                  | 3        |  |  |  |
| 20                   | 64QAM      | 50      | 50        | 19.86               | 19.91                  | 19.78                |                     |          |  |  |  |
| 20                   | 64QAM      | 100     | 0         | 19.74               | 19.92                  | 19.82                |                     |          |  |  |  |
| Channel              |            |         |           | 37925               | 38000                  | 38175                |                     |          |  |  |  |
| Frequency (MHz)      |            |         |           | 2577.5              | 2595                   | 2612.5               |                     |          |  |  |  |
| 15                   | QPSK       | 1       | 0         | 22.72               | 22.78                  | 22.74                | 24                  | 0        |  |  |  |
| 15                   | QPSK       | 1       | 37        | 22.62               | 22.61                  | 22.51                |                     |          |  |  |  |
| 15                   | QPSK       | 1       | 74        | 22.60               | 22.67                  | 22.69                |                     |          |  |  |  |
| 15                   | QPSK       | 38      | 0         | 21.59               | 21.71                  | 21.66                |                     |          |  |  |  |
| 15                   | QPSK       | 38      | 20        | 21.56               | 21.61                  | 21.49                | 23                  | 1        |  |  |  |
| 15                   | QPSK       | 38      | 39        | 21.61               | 21.72                  | 21.51                |                     |          |  |  |  |
| 15                   | QPSK       | 75      | 0         | 21.62               | 21.61                  | 21.55                |                     |          |  |  |  |
| 15                   | 16QAM      | 1       | 0         | 21.48               | 21.52                  | 21.83                |                     |          |  |  |  |
| 15                   | 16QAM      | 1       | 37        | 21.37               | 21.63                  | 21.45                | 23                  | 1        |  |  |  |
| 15                   | 16QAM      | 1       | 74        | 21.32               | 21.41                  | 21.35                |                     |          |  |  |  |
| 15                   | 16QAM      | 38      | 0         | 20.68               | 20.75                  | 20.71                |                     |          |  |  |  |
| 15                   | 16QAM      | 38      | 20        | 20.47               | 20.71                  | 20.52                | 22                  | 2        |  |  |  |
| 15                   | 16QAM      | 38      | 39        | 20.53               | 20.66                  | 20.63                |                     |          |  |  |  |
| 15                   | 16QAM      | 75      | 0         | 20.53               | 20.62                  | 20.57                |                     |          |  |  |  |
| 15                   | 64QAM      | 1       | 0         | 20.27               | 20.40                  | 20.23                |                     |          |  |  |  |
| 15                   | 64QAM      | 1       | 37        | 20.34               | 20.44                  | 20.43                | 22                  | 2        |  |  |  |
| 15                   | 64QAM      | 1       | 74        | 20.35               | 20.38                  | 20.28                |                     |          |  |  |  |
| 15                   | 64QAM      | 38      | 0         | 19.73               | 19.77                  | 19.78                |                     |          |  |  |  |
| 15                   | 64QAM      | 38      | 20        | 19.76               | 19.79                  | 19.74                | 21                  | 3        |  |  |  |
| 15                   | 64QAM      | 38      | 39        | 19.81               | 19.87                  | 19.85                |                     |          |  |  |  |
| 15                   | 64QAM      | 75      | 0         | 19.67               | 19.85                  | 19.78                |                     |          |  |  |  |
| Channel              |            |         |           | 37900               | 38000                  | 38200                |                     |          |  |  |  |
| Frequency (MHz)      |            |         |           | 2572.5              | 2595                   | 2617.5               |                     |          |  |  |  |
| 10                   | QPSK       | 1       | 0         | 22.73               | 22.74                  | 22.74                | 24                  | 0        |  |  |  |
| 10                   | QPSK       | 1       | 25        | 22.61               | 22.67                  | 22.51                |                     |          |  |  |  |
| 10                   | QPSK       | 1       | 49        | 22.63               | 22.69                  | 22.66                |                     |          |  |  |  |
| 10                   | QPSK       | 25      | 0         | 21.58               | 21.74                  | 21.80                |                     |          |  |  |  |
| 10                   | QPSK       | 25      | 12        | 21.52               | 21.59                  | 21.58                | 23                  | 1        |  |  |  |
| 10                   | QPSK       | 25      | 25        | 21.63               | 21.64                  | 21.59                |                     |          |  |  |  |
| 10                   | QPSK       | 50      | 0         | 21.63               | 21.59                  | 21.60                |                     |          |  |  |  |
| 10                   | 16QAM      | 1       | 0         | 21.43               | 21.59                  | 21.61                |                     |          |  |  |  |
| 10                   | 16QAM      | 1       | 25        | 21.38               | 21.62                  | 21.50                | 23                  | 1        |  |  |  |
| 10                   | 16QAM      | 1       | 49        | 21.35               | 21.39                  | 21.40                |                     |          |  |  |  |
| 10                   | 16QAM      | 25      | 0         | 20.62               | 20.75                  | 20.64                |                     |          |  |  |  |
| 10                   | 16QAM      | 25      | 12        | 20.53               | 20.74                  | 20.56                | 22                  | 2        |  |  |  |
| 10                   | 16QAM      | 25      | 25        | 20.58               | 20.73                  | 20.63                |                     |          |  |  |  |
| 10                   | 16QAM      | 50      | 0         | 20.57               | 20.60                  | 20.52                |                     |          |  |  |  |
| 10                   | 64QAM      | 1       | 0         | 20.20               | 20.34                  | 20.24                |                     |          |  |  |  |
| 10                   | 64QAM      | 1       | 25        | 20.27               | 20.48                  | 20.38                | 22                  | 2        |  |  |  |
| 10                   | 64QAM      | 1       | 49        | 20.34               | 20.40                  | 20.34                |                     |          |  |  |  |
| 10                   | 64QAM      | 25      | 0         | 19.75               | 19.83                  | 19.74                |                     |          |  |  |  |
| 10                   | 64QAM      | 25      | 12        | 19.71               | 19.76                  | 19.71                | 21                  | 3        |  |  |  |
| 10                   | 64QAM      | 25      | 25        | 19.73               | 19.80                  | 19.67                |                     |          |  |  |  |
| 10                   | 64QAM      | 50      | 0         | 19.60               | 19.84                  | 19.77                |                     |          |  |  |  |
| Channel              |            |         |           | 37775               | 38000                  | 38225                |                     |          |  |  |  |
| Frequency (MHz)      |            |         |           | 2572.5              | 2595                   | 2617.5               |                     |          |  |  |  |
| 5                    | QPSK       | 1       | 0         | 22.70               | 22.61                  | 22.68                | 24                  | 0        |  |  |  |
| 5                    | QPSK       | 1       | 12        | 22.58               | 22.70                  | 22.52                |                     |          |  |  |  |
| 5                    | QPSK       | 1       | 24        | 22.60               | 22.63                  | 22.66                |                     |          |  |  |  |
| 5                    | QPSK       | 12      | 0         | 21.67               | 21.72                  | 21.58                |                     |          |  |  |  |
| 5                    | QPSK       | 12      | 7         | 21.59               | 21.69                  | 21.48                | 23                  | 1        |  |  |  |
| 5                    | QPSK       | 12      | 13        | 21.55               | 21.75                  | 21.59                |                     |          |  |  |  |
| 5                    | QPSK       | 25      | 0         | 21.60               | 21.58                  | 21.53                |                     |          |  |  |  |
| 5                    | 16QAM      | 1       | 0         | 21.51               | 21.53                  | 21.58                |                     |          |  |  |  |
| 5                    | 16QAM      | 1       | 12        | 21.43               | 21.55                  | 21.48                | 23                  | 1        |  |  |  |
| 5                    | 16QAM      | 1       | 24        | 21.30               | 21.49                  | 21.30                |                     |          |  |  |  |
| 5                    | 16QAM      | 12      | 0         | 20.71               | 20.77                  | 20.67                |                     |          |  |  |  |
| 5                    | 16QAM      | 12      | 7         | 20.48               | 20.68                  | 20.56                | 22                  | 2        |  |  |  |
| 5                    | 16QAM      | 12      | 13        | 20.55               | 20.74                  | 20.64                |                     |          |  |  |  |
| 5                    | 16QAM      | 25      | 0         | 20.61               | 20.70                  | 20.57                |                     |          |  |  |  |
| 5                    | 64QAM      | 1       | 0         | 20.22               | 20.34                  | 20.30                |                     |          |  |  |  |
| 5                    | 64QAM      | 1       | 12        | 20.31               | 20.43                  | 20.38                | 22                  | 2        |  |  |  |
| 5                    | 64QAM      | 1       | 24        | 20.37               | 20.44                  | 20.28                |                     |          |  |  |  |
| 5                    | 64QAM      | 12      | 0         | 19.76               | 19.76                  | 19.83                |                     |          |  |  |  |
| 5                    | 64QAM      | 12      | 7         | 19.68               | 19.84                  | 19.71                | 21                  | 3        |  |  |  |
| 5                    | 64QAM      | 12      | 13        | 19.78               | 19.78                  | 19.73                |                     |          |  |  |  |
| 5                    | 64QAM      | 25      | 0         | 19.66               | 19.87                  | 19.68                |                     |          |  |  |  |

| Band 41 Ant2 Default |            |         |           |                     |                        |                      |                            |                             |                      |                     |          |
|----------------------|------------|---------|-----------|---------------------|------------------------|----------------------|----------------------------|-----------------------------|----------------------|---------------------|----------|
| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch / Freq | Power Middle Ch / Freq | Power High Ch / Freq | Power Low Middle Ch / Freq | Power High Middle Ch / Freq | Power High Ch / Freq | Tune-up limit (dBm) | MPR (dB) |
| Channel              |            |         |           | 39750               | 40185                  | 40620                | 41655                      | 41490                       |                      |                     |          |
| Frequency (MHz)      |            |         |           | 2566                | 2549.5                 | 2593                 | 2636.5                     | 2680                        |                      |                     |          |
| 20                   | QPSK       | 1       | 0         | 22.81               | 22.70                  | 22.89                | 22.77                      | 22.75                       |                      | 24                  | 0        |
| 20                   | QPSK       | 1       | 49        | 22.73               | 22.74                  | 22.80                | 22.80                      | 22.80                       |                      |                     |          |
| 20                   | QPSK       | 1       | 99        | 22.60               | 22.72                  | 22.78                | 22.71                      | 22.74                       |                      |                     |          |
| 20                   | QPSK       | 50      | 0         | 21.80               | 21.70                  | 21.84                | 21.67                      | 21.62                       |                      |                     |          |
| 20                   | QPSK       | 50      | 24        | 21.75               | 21.71                  | 21.73                | 21.71                      | 21.75                       |                      | 23                  | 1        |
| 20                   | QPSK       | 50      | 50        | 21.83               | 21.76                  | 21.76                | 21.70                      | 21.73                       |                      |                     |          |
| 20                   | QPSK       | 100     | 0         | 21.76               | 21.68                  | 21.78                | 21.72                      | 21.75                       |                      |                     |          |
| 20                   | 16QAM      | 1       | 0         | 21.65               | 21.67                  | 21.73                | 21.65                      | 21.72                       |                      | 23                  | 1        |
| 20                   | 16QAM      | 1       | 49        | 21.78               | 21.78                  | 21.78                | 21.75                      | 21.73                       |                      |                     |          |
| 20                   | 16QAM      | 1       | 99        | 21.79               | 21.70                  | 21.78                | 21.71                      | 21.63                       |                      |                     |          |
| 20                   | 16QAM      | 50      | 0         | 20.81               | 20.69                  | 20.76                | 20.68                      | 20.65                       |                      |                     |          |
| 20                   | 16QAM      | 50      | 24        | 20.74               | 20.72                  | 20.77                | 20.69                      | 20.73                       |                      | 22                  | 2        |
| 20                   | 16QAM      | 50      | 50        | 20.74               | 20.67                  | 20.81                | 20.70                      | 20.71                       |                      |                     |          |
| 20                   | 16QAM      | 100     | 0         | 20.82               | 20.63                  | 20.77                | 20.68                      | 20.76                       |                      |                     |          |
| 20                   | 64QAM      | 1       | 0         | 20.32               | 20.36                  | 20.51                | 20.48                      | 20.48                       |                      |                     |          |
| 20                   | 64QAM      | 1       | 49        | 20.52               | 20.44                  | 20.47                | 20.44                      | 20.53                       |                      | 22                  | 2        |
| 20                   | 64QAM      | 1       | 99        | 20.48               | 20.37                  | 20.50                | 20.37                      | 20.38                       |                      |                     |          |
| 20                   | 64QAM      | 50      | 0         | 19.92               | 19.74                  | 19.92                | 19.79                      | 19.93                       |                      |                     |          |
| 20                   | 64QAM      | 50      | 24        | 19.96               | 19.89                  | 19.96                | 19.81                      | 19.80                       |                      | 21                  | 3        |
| 20                   | 64QAM      | 50      | 50        | 19.83               | 19.81                  | 19.83                | 19.85                      | 19.86                       |                      |                     |          |
| 20                   | 64QAM      | 100     | 0         | 19.89               | 19.83                  | 19.85                | 19.78                      | 19.81                       |                      |                     |          |
| Channel              |            |         |           | 39725               | 40173                  | 40620                | 41668                      | 41515                       |                      |                     |          |
| Frequency (MHz)      |            |         |           | 2563.5              | 2548.3                 | 2593                 | 2637.8                     | 2682.5                      |                      |                     |          |
| 15                   | QPSK       | 1       | 0         | 22.66               | 22.64                  | 22.80                | 22.71                      | 22.61                       |                      | 24                  | 0        |
| 15                   | QPSK       | 1       | 37        | 22.67               | 22.68                  | 22.69                | 22.66                      | 22.66                       |                      |                     |          |
| 15                   | QPSK       | 1       | 74        | 22.56               | 22.60                  | 22.62                | 22.59                      | 22.67                       |                      |                     |          |
| 15                   | QPSK       | 38      | 0         | 21.72               | 21.87                  | 21.71                | 21.66                      | 21.52                       |                      |                     |          |
| 15                   | QPSK       | 38      | 20        | 21.64               | 21.82                  | 21.67                | 21.60                      | 21.60                       |                      | 23                  | 1        |
| 15                   | QPSK       | 38      | 39        | 21.71               | 21.68                  | 21.65                | 21.58                      | 21.62                       |                      |                     |          |
| 15                   | QPSK       | 75      | 0         | 21.66               | 21.57                  | 21.72                | 21.63                      | 21.68                       |                      |                     |          |
| 15                   | 16QAM      | 1       | 0         | 21.60               | 21.62                  | 21.67                | 21.51                      | 21.65                       |                      |                     |          |
| 15                   | 16QAM      | 1       | 37        | 21.69               | 21.67                  | 21.63                | 21.61                      | 21.70                       |                      | 23                  | 1        |
| 15                   | 16QAM      |         |           |                     |                        |                      |                            |                             |                      |                     |          |



**Band 2 Ant7 Default**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 0         | 20.49                 | 20.55                    | 20.49                  | 22                  | 0        |
| 20              | QPSK       | 1       | 49        | 20.47                 | 20.51                    | 20.36                  |                     |          |
| 20              | QPSK       | 1       | 99        | 20.26                 | 20.39                    | 20.30                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.42                 | 19.54                    | 19.41                  |                     |          |
| 20              | QPSK       | 50      | 24        | 19.41                 | 19.50                    | 19.42                  | 21                  | 1        |
| 20              | QPSK       | 50      | 50        | 19.34                 | 19.42                    | 19.30                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.33                 | 19.45                    | 19.31                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.22                 | 19.34                    | 19.27                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 19.20                 | 19.36                    | 19.26                  | 21                  | 1        |
| 20              | 16QAM      | 1       | 99        | 19.22                 | 19.31                    | 19.26                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 18.39                 | 18.46                    | 18.32                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 18.44                 | 18.51                    | 18.46                  | 20                  | 2        |
| 20              | 16QAM      | 50      | 50        | 18.36                 | 18.40                    | 18.25                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 18.39                 | 18.42                    | 18.30                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 18.53                 | 18.64                    | 18.56                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 18.47                 | 18.60                    | 18.49                  | 20                  | 2        |
| 20              | 64QAM      | 1       | 99        | 18.35                 | 18.49                    | 18.37                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 17.58                 | 17.64                    | 17.57                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 17.25                 | 17.55                    | 17.49                  | 19                  | 3        |
| 20              | 64QAM      | 50      | 50        | 17.43                 | 17.57                    | 17.44                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 17.51                 | 17.60                    | 17.50                  |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 0         | 20.42                 | 20.47                    | 20.29                  | 22                  | 0        |
| 15              | QPSK       | 1       | 37        | 20.43                 | 20.43                    | 20.22                  |                     |          |
| 15              | QPSK       | 1       | 74        | 20.12                 | 20.27                    | 20.24                  |                     |          |
| 15              | QPSK       | 36      | 0         | 19.32                 | 19.45                    | 19.32                  |                     |          |
| 15              | QPSK       | 36      | 20        | 19.30                 | 19.38                    | 19.32                  | 21                  | 1        |
| 15              | QPSK       | 36      | 39        | 19.26                 | 19.35                    | 19.21                  |                     |          |
| 15              | QPSK       | 75      | 0         | 19.22                 | 19.36                    | 19.19                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 19.22                 | 19.34                    | 19.21                  | 21                  | 1        |
| 15              | 16QAM      | 1       | 37        | 19.23                 | 19.24                    | 19.15                  |                     |          |
| 15              | 16QAM      | 1       | 74        | 19.17                 | 19.20                    | 19.13                  |                     |          |
| 15              | 16QAM      | 36      | 0         | 18.34                 | 18.41                    | 18.28                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 18.40                 | 18.42                    | 18.34                  | 20                  | 2        |
| 15              | 16QAM      | 36      | 39        | 18.32                 | 18.37                    | 18.18                  |                     |          |
| 15              | 16QAM      | 75      | 0         | 18.31                 | 18.27                    | 18.19                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 18.38                 | 18.49                    | 18.50                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 18.35                 | 18.52                    | 18.36                  | 20                  | 2        |
| 15              | 64QAM      | 1       | 74        | 18.21                 | 18.40                    | 18.23                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 17.46                 | 17.58                    | 17.53                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 17.49                 | 17.67                    | 17.44                  | 19                  | 3        |
| 15              | 64QAM      | 36      | 39        | 17.33                 | 17.45                    | 17.38                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 17.38                 | 17.56                    | 17.41                  |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 0         | 20.35                 | 20.45                    | 20.29                  | 22                  | 0        |
| 10              | QPSK       | 1       | 25        | 20.41                 | 20.40                    | 20.21                  |                     |          |
| 10              | QPSK       | 1       | 49        | 20.11                 | 20.28                    | 20.17                  |                     |          |
| 10              | QPSK       | 25      | 0         | 19.28                 | 19.46                    | 19.29                  |                     |          |
| 10              | QPSK       | 25      | 12        | 19.36                 | 19.39                    | 19.31                  | 21                  | 1        |
| 10              | QPSK       | 25      | 25        | 19.20                 | 19.31                    | 19.22                  |                     |          |
| 10              | QPSK       | 50      | 0         | 19.32                 | 19.40                    | 19.17                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 19.17                 | 19.26                    | 19.18                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 19.26                 | 19.33                    | 19.21                  | 21                  | 1        |
| 10              | 16QAM      | 1       | 49        | 19.07                 | 19.20                    | 19.14                  |                     |          |
| 10              | 16QAM      | 25      | 0         | 18.36                 | 18.34                    | 18.28                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 18.35                 | 18.43                    | 18.33                  | 20                  | 2        |
| 10              | 16QAM      | 25      | 25        | 18.23                 | 18.32                    | 18.19                  |                     |          |
| 10              | 16QAM      | 50      | 0         | 18.28                 | 18.37                    | 18.20                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 18.41                 | 18.58                    | 18.41                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 18.37                 | 18.46                    | 18.41                  | 20                  | 2        |
| 10              | 64QAM      | 1       | 49        | 18.21                 | 18.34                    | 18.33                  |                     |          |
| 10              | 64QAM      | 25      | 0         | 17.44                 | 17.53                    | 17.47                  |                     |          |
| 10              | 64QAM      | 25      | 12        | 17.42                 | 17.53                    | 17.41                  |                     |          |
| 10              | 64QAM      | 25      | 25        | 17.34                 | 17.48                    | 17.46                  | 19                  | 3        |
| 10              | 64QAM      | 50      | 0         | 17.41                 | 17.49                    | 17.34                  |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 5               | QPSK       | 1       | 0         | 20.41                 | 20.52                    | 20.36                  | 22                  | 0        |
| 5               | QPSK       | 1       | 12        | 20.38                 | 20.47                    | 20.33                  |                     |          |
| 5               | QPSK       | 1       | 24        | 20.11                 | 20.26                    | 20.23                  |                     |          |
| 5               | QPSK       | 12      | 0         | 19.36                 | 19.44                    | 19.28                  |                     |          |
| 5               | QPSK       | 12      | 7         | 19.32                 | 19.40                    | 19.27                  | 21                  | 1        |
| 5               | QPSK       | 12      | 13        | 19.19                 | 19.38                    | 19.15                  |                     |          |
| 5               | QPSK       | 25      | 0         | 19.25                 | 19.37                    | 19.19                  |                     |          |
| 5               | 16QAM      | 1       | 0         | 19.14                 | 19.30                    | 19.16                  |                     |          |
| 5               | 16QAM      | 1       | 12        | 19.19                 | 19.30                    | 19.12                  | 21                  | 1        |
| 5               | 16QAM      | 1       | 24        | 19.18                 | 19.20                    | 19.11                  |                     |          |
| 5               | 16QAM      | 12      | 0         | 18.35                 | 18.39                    | 18.27                  |                     |          |
| 5               | 16QAM      | 12      | 7         | 18.39                 | 18.38                    | 18.38                  | 20                  | 2        |
| 5               | 16QAM      | 12      | 13        | 18.27                 | 18.30                    | 18.15                  |                     |          |
| 5               | 16QAM      | 25      | 0         | 18.33                 | 18.27                    | 18.26                  |                     |          |
| 5               | 64QAM      | 1       | 0         | 18.34                 | 18.54                    | 18.46                  |                     |          |
| 5               | 64QAM      | 1       | 12        | 18.39                 | 18.54                    | 18.37                  | 20                  | 2        |
| 5               | 64QAM      | 1       | 24        | 18.20                 | 18.36                    | 18.26                  |                     |          |
| 5               | 64QAM      | 12      | 0         | 17.48                 | 17.52                    | 17.48                  |                     |          |
| 5               | 64QAM      | 12      | 7         | 17.50                 | 17.50                    | 17.39                  |                     |          |
| 5               | 64QAM      | 12      | 13        | 17.39                 | 17.46                    | 17.37                  | 19                  | 3        |
| 5               | 64QAM      | 25      | 0         | 17.44                 | 17.48                    | 17.36                  |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 1.4             | QPSK       | 1       | 0         | 20.37                 | 20.45                    | 20.37                  | 22                  | 0        |
| 1.4             | QPSK       | 1       | 3         | 20.40                 | 20.39                    | 20.24                  |                     |          |
| 1.4             | QPSK       | 1       | 6         | 20.32                 | 20.32                    | 20.20                  |                     |          |
| 1.4             | QPSK       | 3       | 0         | 20.35                 | 20.41                    | 20.35                  |                     |          |
| 1.4             | QPSK       | 3       | 1         | 20.38                 | 20.38                    | 20.27                  |                     |          |
| 1.4             | QPSK       | 3       | 3         | 20.23                 | 20.35                    | 20.25                  |                     |          |
| 1.4             | QPSK       | 6       | 0         | 19.29                 | 19.51                    | 19.32                  | 21                  | 1        |
| 1.4             | 16QAM      | 1       | 0         | 19.34                 | 19.38                    | 19.31                  |                     |          |
| 1.4             | 16QAM      | 1       | 3         | 19.20                 | 19.39                    | 19.22                  |                     |          |
| 1.4             | 16QAM      | 1       | 5         | 19.26                 | 19.36                    | 19.26                  | 21                  | 1        |
| 1.4             | 16QAM      | 3       | 0         | 19.12                 | 19.25                    | 19.20                  |                     |          |
| 1.4             | 16QAM      | 3       | 1         | 19.27                 | 19.23                    | 19.21                  |                     |          |
| 1.4             | 16QAM      | 3       | 3         | 19.18                 | 19.20                    | 19.18                  |                     |          |
| 1.4             | 16QAM      | 6       | 0         | 18.30                 | 18.40                    | 18.27                  | 20                  | 2        |
| 1.4             | 16QAM      | 6       | 1         | 18.35                 | 18.38                    | 18.38                  |                     |          |
| 1.4             | 64QAM      | 1       | 3         | 18.23                 | 18.28                    | 18.16                  |                     |          |
| 1.4             | 64QAM      | 1       | 5         | 18.24                 | 18.37                    | 18.24                  | 20                  | 2        |
| 1.4             | 64QAM      | 3       | 0         | 18.44                 | 18.59                    | 18.44                  |                     |          |
| 1.4             | 64QAM      | 3       | 1         | 18.34                 | 18.45                    | 18.39                  |                     |          |
| 1.4             | 64QAM      | 3       | 3         | 18.31                 | 18.46                    | 18.34                  |                     |          |
| 1.4             | 64QAM      | 6       | 0         | 17.52                 | 17.59                    | 17.39                  | 19                  | 3        |

**Band 4 Ant7 Default**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 0         | 20.31                 | 20.39                    | 20.36                  | 22                  | 0        |
| 20              | QPSK       | 1       | 49        | 20.29                 | 20.35                    | 20.21                  |                     |          |
| 20              | QPSK       | 1       | 99        | 20.14                 | 20.20                    | 20.15                  |                     |          |
| 20              | QPSK       | 50      | 0         | 19.34                 | 19.38                    | 19.25                  |                     |          |
| 20              | QPSK       | 50      | 24        | 19.26                 | 19.37                    | 19.24                  | 21                  | 1        |
| 20              | QPSK       | 50      | 50        | 19.28                 | 19.32                    | 19.29                  |                     |          |
| 20              | QPSK       | 100     | 0         | 19.30                 | 19.34                    | 19.25                  |                     |          |
| 20              | 16QAM      | 1       | 0         | 19.26                 | 19.31                    | 19.20                  |                     |          |
| 20              | 16QAM      | 1       | 49        | 19.21                 | 19.26                    | 19.14                  | 21                  | 1        |
| 20              | 16QAM      | 1       | 99        | 19.23                 | 19.29                    | 19.24                  |                     |          |
| 20              | 16QAM      | 50      | 0         | 18.45                 | 18.51                    | 18.44                  |                     |          |
| 20              | 16QAM      | 50      | 24        | 18.37                 | 18.50                    | 18.39                  | 20                  | 2        |
| 20              | 16QAM      | 50      | 50        | 18.41                 | 18.47                    | 18.43                  |                     |          |
| 20              | 16QAM      | 100     | 0         | 18.39                 | 18.44                    | 18.38                  |                     |          |
| 20              | 64QAM      | 1       | 0         | 18.49                 | 18.54                    | 18.39                  |                     |          |
| 20              | 64QAM      | 1       | 49        | 18.41                 | 18.46                    | 18.31                  | 20                  | 2        |
| 20              | 64QAM      | 1       | 99        | 18.42                 | 18.47                    | 18.39                  |                     |          |
| 20              | 64QAM      | 50      | 0         | 17.45                 | 17.51                    | 17.39                  |                     |          |
| 20              | 64QAM      | 50      | 24        | 17.43                 | 17.46                    | 17.43                  | 19                  | 3        |
| 20              | 64QAM      | 50      | 50        | 17.30                 | 17.41                    | 17.36                  |                     |          |
| 20              | 64QAM      | 100     | 0         | 17.41                 | 17.46                    | 17.34                  |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 0         | 20.25                 | 20.31                    | 20.28                  | 22                  | 0        |
| 15              | QPSK       | 1       | 37        | 20.20                 | 20.25                    | 20.11                  |                     |          |
| 15              | QPSK       | 1       | 74        | 20.04                 | 20.10                    | 20.01                  |                     |          |
| 15              | QPSK       | 36      | 0         | 19.29                 | 19.25                    | 19.20                  |                     |          |
| 15              | QPSK       | 36      | 20        | 19.15                 | 19.32                    | 19.14                  | 21                  | 1        |
| 15              | QPSK       | 36      | 39        | 19.17                 | 19.24                    | 19.20                  |                     |          |
| 15              | QPSK       | 75      | 0         | 19.19                 | 19.21                    | 19.17                  |                     |          |
| 15              | 16QAM      | 1       | 0         | 19.04                 | 19.16                    | 19.06                  |                     |          |
| 15              | 16QAM      | 1       | 37        | 19.10                 | 19.18                    | 19.09                  | 21                  | 1        |
| 15              | 16QAM      | 1       | 74        | 19.15                 | 19.24                    | 19.12                  |                     |          |
| 15              | 16QAM      | 36      | 0         | 18.41                 | 18.47                    | 18.37                  |                     |          |
| 15              | 16QAM      | 36      | 20        | 18.22                 | 18.46                    | 18.25                  | 20                  | 2        |
| 15              | 16QAM      | 36      | 39        | 18.37                 | 18.37                    | 18.35                  |                     |          |
| 15              | 16QAM      | 75      | 0         | 18.30                 | 18.38                    | 18.24                  |                     |          |
| 15              | 64QAM      | 1       | 0         | 18.45                 | 18.45                    | 18.26                  |                     |          |
| 15              | 64QAM      | 1       | 37        | 18.26                 | 18.41                    | 18.22                  | 20                  | 2        |
| 15              | 64QAM      | 1       | 74        | 18.36                 | 18.44                    | 18.35                  |                     |          |
| 15              | 64QAM      | 36      | 0         | 17.30                 | 17.42                    | 17.36                  |                     |          |
| 15              | 64QAM      | 36      | 20        | 17.31                 | 17.34                    | 17.39                  | 19                  | 3        |
| 15              | 64QAM      | 36      | 39        | 17.23                 | 17.34                    | 17.21                  |                     |          |
| 15              | 64QAM      | 75      | 0         | 17.35                 | 17.40                    | 17.24                  |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 0         | 20.18                 | 20.34                    | 20.24                  | 22                  | 0        |
| 10              | QPSK       | 1       | 25        | 20.25                 | 20.32                    | 20.09                  |                     |          |
| 10              | QPSK       | 1       | 49        | 20.07                 | 20.13                    | 20.05                  |                     |          |
| 10              | QPSK       | 25      | 0         | 19.25                 | 19.24                    | 19.14                  |                     |          |
| 10              | QPSK       | 25      | 12        | 19.18                 | 19.24                    | 19.14                  | 21                  | 1        |
| 10              | QPSK       | 25      | 25        | 19.21                 | 19.27                    | 19.21                  |                     |          |
| 10              | QPSK       | 50      | 0         | 19.17                 | 19.26                    | 19.21                  |                     |          |
| 10              | 16QAM      | 1       | 0         | 19.12                 | 19.22                    | 19.15                  |                     |          |
| 10              | 16QAM      | 1       | 25        | 19.07                 | 19.23                    | 19.06                  | 21                  | 1        |
| 10              | 16QAM      | 1       | 49        | 19.20                 | 19.18                    | 19.18                  |                     |          |
| 10              | 16QAM      | 25      | 0         | 18.40                 | 18.42                    | 18.34                  |                     |          |
| 10              | 16QAM      | 25      | 12        | 18.24                 | 18.36                    | 18.31                  | 20                  | 2        |
| 10              | 16QAM      | 25      | 25        | 18.31                 | 18.33                    | 18.34                  |                     |          |
| 10              | 16QAM      | 50      | 0         | 18.31                 | 18.41                    | 18.28                  |                     |          |
| 10              | 64QAM      | 1       | 0         | 18.38                 | 18.41                    | 18.33                  |                     |          |
| 10              | 64QAM      | 1       | 25        | 18.33                 | 18.35                    | 18.16                  | 20                  | 2        |
| 10              | 64QAM      | 1       | 49        | 18.34</               |                          |                        |                     |          |



### Default Power for WWAN for Other PA

| Band 7 Ant7 Default |            |         |           |                       |                          |                        |                     |          |  |
|---------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power Low Ch./F.Freq. | Power Middle Ch./F.Freq. | Power High Ch./F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel             |            |         |           | 2050                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.95                 | 23.17                    | 23.12                  | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 49        | 22.93                 | 23.13                    | 23.00                  |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 22.86                 | 22.96                    | 22.95                  |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.99                 | 22.14                    | 22.00                  | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 24        | 21.98                 | 21.98                    | 21.89                  |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 21.89                 | 22.15                    | 22.08                  |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.94                 | 22.11                    | 22.01                  | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 21.85                 | 22.02                    | 21.98                  |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.85                 | 21.97                    | 22.00                  |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 21.93                 | 22.04                    | 21.95                  | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 21.18                 | 21.18                    | 21.18                  |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.94                 | 21.04                    | 20.93                  |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 21.02                 | 21.12                    | 21.00                  | 22                  | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 21.12                 | 21.10                    | 21.04                  |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.93                 | 21.00                    | 20.94                  |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.02                 | 21.12                    | 21.05                  | 21                  | 3        |  |
| 20                  | 64QAM      | 1       | 99        | 20.88                 | 21.11                    | 21.11                  |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 20.14                 | 20.08                    | 19.92                  |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 19.93                 | 19.97                    | 19.81                  | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 19.91                 | 20.03                    | 20.03                  |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.95                 | 20.01                    | 20.01                  |                     |          |  |
| Channel             |            |         |           | 20925                 | 21100                    | 21375                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.91                 | 23.12                    | 23.07                  | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 37        | 22.86                 | 23.08                    | 22.94                  |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 22.71                 | 22.87                    | 22.86                  |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.89                 | 22.05                    | 21.93                  | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 20        | 21.86                 | 21.94                    | 21.83                  |                     |          |  |
| 15                  | QPSK       | 36      | 39        | 21.84                 | 22.08                    | 21.97                  |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.86                 | 22.07                    | 21.95                  | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 0         | 21.75                 | 21.94                    | 21.83                  |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.79                 | 21.90                    | 21.93                  |                     |          |  |
| 15                  | 16QAM      | 1       | 74        | 21.86                 | 21.91                    | 21.85                  | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 0         | 21.12                 | 21.05                    | 21.06                  |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.82                 | 20.98                    | 20.82                  |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 20.95                 | 20.98                    | 20.88                  | 22                  | 2        |  |
| 15                  | 16QAM      | 75      | 0         | 20.97                 | 21.04                    | 20.90                  |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.83                 | 20.89                    | 20.90                  |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 20.84                 | 21.06                    | 20.98                  | 21                  | 3        |  |
| 15                  | 64QAM      | 1       | 74        | 20.90                 | 20.98                    | 21.07                  |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 20.05                 | 20.01                    | 19.78                  |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.85                 | 19.89                    | 19.71                  | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.77                 | 19.90                    | 19.88                  |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.87                 | 19.87                    | 19.93                  |                     |          |  |
| Channel             |            |         |           | 20800                 | 21100                    | 21400                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.80                 | 23.04                    | 23.01                  | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 25        | 22.87                 | 23.01                    | 22.91                  |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 22.79                 | 22.86                    | 22.90                  |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.88                 | 22.03                    | 21.90                  | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 21.87                 | 21.89                    | 21.84                  |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 21.79                 | 22.02                    | 22.01                  |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.88                 | 22.07                    | 21.92                  | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 0         | 21.71                 | 21.91                    | 21.93                  |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.73                 | 21.89                    | 21.96                  |                     |          |  |
| 10                  | 16QAM      | 1       | 49        | 21.86                 | 21.92                    | 21.91                  | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 0         | 21.09                 | 21.03                    | 21.11                  |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.94                 | 20.99                    | 20.78                  |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 20.88                 | 20.99                    | 20.86                  | 22                  | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 21.03                 | 20.98                    | 20.90                  |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.83                 | 20.89                    | 20.89                  |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.81                 | 21.01                    | 20.96                  | 21                  | 3        |  |
| 10                  | 64QAM      | 1       | 49        | 20.84                 | 21.00                    | 20.98                  |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 20.00                 | 19.96                    | 19.87                  |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.86                 | 19.89                    | 19.76                  | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.78                 | 19.94                    | 19.99                  |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.82                 | 19.87                    | 19.91                  |                     |          |  |
| Channel             |            |         |           | 20775                 | 21100                    | 21425                  |                     |          |  |
| Frequency (MHz)     |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.81                 | 23.10                    | 23.00                  | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 12        | 22.89                 | 23.03                    | 22.95                  |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 22.78                 | 22.86                    | 22.82                  |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.94                 | 22.03                    | 21.87                  | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 21.89                 | 21.86                    | 21.86                  |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 21.84                 | 22.09                    | 21.96                  |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.87                 | 22.04                    | 21.96                  | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 0         | 21.70                 | 21.97                    | 21.86                  |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.82                 | 21.89                    | 21.92                  |                     |          |  |
| 5                   | 16QAM      | 1       | 24        | 21.89                 | 21.96                    | 21.81                  | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 0         | 21.06                 | 21.05                    | 21.09                  |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.90                 | 20.91                    | 20.86                  |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 20.89                 | 21.09                    | 20.86                  | 22                  | 2        |  |
| 5                   | 16QAM      | 25      | 0         | 21.08                 | 20.99                    | 20.99                  |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.78                 | 20.95                    | 20.83                  |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.97                 | 21.08                    | 20.95                  | 21                  | 3        |  |
| 5                   | 64QAM      | 1       | 24        | 20.91                 | 21.04                    | 21.04                  |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 20.02                 | 20.04                    | 19.89                  |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.78                 | 19.86                    | 19.76                  | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.79                 | 19.96                    | 19.94                  |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.80                 | 19.89                    | 19.88                  |                     |          |  |



### Reduced Power for DSI 2 for other PA

| Band 7 Ant7 DSI2 |            |         |           |                     |                        |                      |                     |          |  |
|------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch./Freq. | Power Middle Ch./Freq. | Power High Ch./Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 20550               | 2100                   | 2350                 |                     |          |  |
| Frequency (MHz)  |            |         |           | 2510                | 2535                   | 2560                 |                     |          |  |
| 20               | QPSK       | 1       | 0         | 17.98               | 18.25                  | 18.00                | 19                  | 0        |  |
| 20               | QPSK       | 1       | 49        | 17.92               | 18.22                  | 18.01                |                     |          |  |
| 20               | QPSK       | 1       | 99        | 17.90               | 17.99                  | 18.01                |                     |          |  |
| 20               | QPSK       | 50      | 0         | 17.88               | 18.22                  | 17.91                | 19                  | 0        |  |
| 20               | QPSK       | 50      | 24        | 17.72               | 18.21                  | 17.95                |                     |          |  |
| 20               | QPSK       | 50      | 50        | 17.85               | 17.85                  | 17.95                |                     |          |  |
| 20               | QPSK       | 100     | 0         | 17.81               | 18.07                  | 17.94                | 19                  | 0        |  |
| 20               | 16QAM      | 1       | 0         | 17.79               | 18.00                  | 17.99                |                     |          |  |
| 20               | 16QAM      | 1       | 49        | 17.73               | 17.94                  | 17.95                |                     |          |  |
| 20               | 16QAM      | 1       | 99        | 18.00               | 17.99                  | 17.90                | 19                  | 0        |  |
| 20               | 16QAM      | 50      | 0         | 17.75               | 18.22                  | 17.98                |                     |          |  |
| 20               | 16QAM      | 50      | 24        | 17.88               | 17.80                  | 17.93                |                     |          |  |
| 20               | 16QAM      | 50      | 50        | 17.94               | 18.04                  | 17.88                | 19                  | 0        |  |
| 20               | 16QAM      | 100     | 0         | 17.70               | 18.11                  | 18.00                |                     |          |  |
| 20               | 64QAM      | 1       | 0         | 17.79               | 17.86                  | 17.93                |                     |          |  |
| 20               | 64QAM      | 1       | 49        | 17.77               | 18.17                  | 17.84                | 19                  | 0        |  |
| 20               | 64QAM      | 1       | 99        | 17.85               | 18.24                  | 17.89                |                     |          |  |
| 20               | 64QAM      | 50      | 0         | 17.79               | 17.79                  | 17.85                |                     |          |  |
| 20               | 64QAM      | 50      | 24        | 17.89               | 18.00                  | 17.86                | 19                  | 0        |  |
| 20               | 64QAM      | 50      | 50        | 17.80               | 18.03                  | 17.84                |                     |          |  |
| 20               | 64QAM      | 100     | 0         | 17.87               | 17.95                  | 17.85                |                     |          |  |
| Channel          |            |         |           | 20825               | 21100                  | 21375                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2507.5              | 2535                   | 2562.5               |                     |          |  |
| 15               | QPSK       | 1       | 0         | 17.80               | 18.06                  | 18.01                | 19                  | 0        |  |
| 15               | QPSK       | 1       | 37        | 17.87               | 18.12                  | 17.81                |                     |          |  |
| 15               | QPSK       | 1       | 74        | 17.72               | 18.01                  | 17.84                |                     |          |  |
| 15               | QPSK       | 36      | 0         | 17.93               | 18.02                  | 17.81                | 19                  | 0        |  |
| 15               | QPSK       | 36      | 20        | 17.88               | 17.88                  | 17.80                |                     |          |  |
| 15               | QPSK       | 36      | 39        | 17.76               | 17.91                  | 17.90                |                     |          |  |
| 15               | QPSK       | 75      | 0         | 17.77               | 18.08                  | 17.72                | 19                  | 0        |  |
| 15               | 16QAM      | 1       | 0         | 17.85               | 17.88                  | 17.96                |                     |          |  |
| 15               | 16QAM      | 1       | 37        | 17.71               | 17.89                  | 17.87                |                     |          |  |
| 15               | 16QAM      | 1       | 74        | 17.80               | 17.92                  | 17.91                | 19                  | 0        |  |
| 15               | 16QAM      | 36      | 0         | 17.77               | 18.17                  | 17.90                |                     |          |  |
| 15               | 16QAM      | 36      | 20        | 17.68               | 17.82                  | 17.75                |                     |          |  |
| 15               | 16QAM      | 36      | 39        | 17.85               | 18.03                  | 17.70                | 19                  | 0        |  |
| 15               | 16QAM      | 75      | 0         | 17.67               | 18.04                  | 17.97                |                     |          |  |
| 15               | 64QAM      | 1       | 0         | 17.85               | 17.74                  | 17.90                |                     |          |  |
| 15               | 64QAM      | 1       | 37        | 17.69               | 17.99                  | 17.65                | 19                  | 0        |  |
| 15               | 64QAM      | 1       | 74        | 17.70               | 18.07                  | 17.85                |                     |          |  |
| 15               | 64QAM      | 36      | 0         | 17.67               | 17.77                  | 17.81                |                     |          |  |
| 15               | 64QAM      | 36      | 20        | 17.89               | 17.86                  | 17.74                | 19                  | 0        |  |
| 15               | 64QAM      | 36      | 39        | 17.76               | 17.85                  | 17.85                |                     |          |  |
| 15               | 64QAM      | 75      | 0         | 17.83               | 17.96                  | 17.70                |                     |          |  |
| Channel          |            |         |           | 20800               | 21100                  | 21400                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2505                | 2535                   | 2565                 |                     |          |  |
| 10               | QPSK       | 1       | 0         | 17.77               | 18.07                  | 17.81                | 19                  | 0        |  |
| 10               | QPSK       | 1       | 25        | 17.70               | 18.07                  | 17.91                |                     |          |  |
| 10               | QPSK       | 1       | 49        | 17.87               | 17.98                  | 17.80                |                     |          |  |
| 10               | QPSK       | 25      | 0         | 17.66               | 17.95                  | 17.79                | 19                  | 0        |  |
| 10               | QPSK       | 25      | 12        | 17.71               | 18.06                  | 17.76                |                     |          |  |
| 10               | QPSK       | 25      | 25        | 17.88               | 17.79                  | 17.77                |                     |          |  |
| 10               | QPSK       | 50      | 0         | 17.78               | 18.07                  | 17.82                | 19                  | 0        |  |
| 10               | 16QAM      | 1       | 0         | 17.72               | 17.81                  | 17.89                |                     |          |  |
| 10               | 16QAM      | 1       | 25        | 17.57               | 17.80                  | 17.82                |                     |          |  |
| 10               | 16QAM      | 1       | 49        | 17.88               | 17.94                  | 17.86                | 19                  | 0        |  |
| 10               | 16QAM      | 25      | 0         | 17.72               | 18.10                  | 17.99                |                     |          |  |
| 10               | 16QAM      | 25      | 12        | 17.70               | 17.80                  | 17.81                |                     |          |  |
| 10               | 16QAM      | 25      | 25        | 17.82               | 17.84                  | 17.72                | 19                  | 0        |  |
| 10               | 16QAM      | 50      | 0         | 17.67               | 17.89                  | 18.01                |                     |          |  |
| 10               | 64QAM      | 1       | 0         | 17.75               | 18.16                  | 17.89                |                     |          |  |
| 10               | 64QAM      | 1       | 25        | 17.89               | 17.91                  | 17.91                | 19                  | 0        |  |
| 10               | 64QAM      | 1       | 49        | 17.78               | 17.99                  | 17.69                |                     |          |  |
| 10               | 64QAM      | 25      | 0         | 17.81               | 17.81                  | 17.74                |                     |          |  |
| 10               | 64QAM      | 25      | 12        | 17.70               | 17.87                  | 17.69                | 19                  | 0        |  |
| 10               | 64QAM      | 25      | 25        | 17.62               | 17.86                  | 17.84                |                     |          |  |
| 10               | 64QAM      | 50      | 0         | 17.86               | 17.74                  | 17.64                |                     |          |  |
| Channel          |            |         |           | 20775               | 21100                  | 21425                |                     |          |  |
| Frequency (MHz)  |            |         |           | 2502.5              | 2535                   | 2567.5               |                     |          |  |
| 5                | QPSK       | 1       | 0         | 17.87               | 18.00                  | 17.90                | 19                  | 0        |  |
| 5                | QPSK       | 1       | 12        | 17.83               | 18.06                  | 17.82                |                     |          |  |
| 5                | QPSK       | 1       | 24        | 17.87               | 17.80                  | 17.85                |                     |          |  |
| 5                | QPSK       | 12      | 0         | 17.74               | 18.13                  | 18.03                | 19                  | 0        |  |
| 5                | QPSK       | 12      | 7         | 17.88               | 17.90                  | 17.79                |                     |          |  |
| 5                | QPSK       | 12      | 13        | 17.82               | 17.90                  | 17.70                |                     |          |  |
| 5                | QPSK       | 25      | 0         | 17.77               | 18.04                  | 17.77                | 19                  | 0        |  |
| 5                | 16QAM      | 1       | 0         | 17.58               | 17.90                  | 17.93                |                     |          |  |
| 5                | 16QAM      | 1       | 12        | 17.54               | 17.73                  | 17.88                |                     |          |  |
| 5                | 16QAM      | 1       | 24        | 17.78               | 17.81                  | 17.72                | 19                  | 0        |  |
| 5                | 16QAM      | 12      | 0         | 17.80               | 18.20                  | 17.96                |                     |          |  |
| 5                | 16QAM      | 12      | 7         | 17.96               | 17.82                  | 18.02                |                     |          |  |
| 5                | 16QAM      | 12      | 13        | 17.83               | 18.10                  | 17.91                | 19                  | 0        |  |
| 5                | 16QAM      | 25      | 0         | 17.84               | 17.93                  | 17.89                |                     |          |  |
| 5                | 64QAM      | 1       | 0         | 17.77               | 17.75                  | 17.85                |                     |          |  |
| 5                | 64QAM      | 1       | 12        | 17.67               | 18.13                  | 17.74                | 19                  | 0        |  |
| 5                | 64QAM      | 1       | 24        | 17.85               | 18.13                  | 17.84                |                     |          |  |
| 5                | 64QAM      | 12      | 0         | 17.81               | 17.66                  | 17.80                |                     |          |  |
| 5                | 64QAM      | 12      | 7         | 17.90               | 17.92                  | 17.69                | 19                  | 0        |  |
| 5                | 64QAM      | 12      | 13        | 17.80               | 17.92                  | 17.84                |                     |          |  |
| 5                | 64QAM      | 25      | 0         | 17.67               | 17.80                  | 17.85                |                     |          |  |



Reduced Power for DSI 3 for other PA

| Band 7 Ant7 DSI3 |            |         |           |                 |                    |                  |                     |          |  |
|------------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |  |
|                  |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel          |            |         |           | 2050            | 2100               | 2150             |                     |          |  |
| Frequency (MHz)  |            |         |           | 2510            | 2535               | 2560             |                     |          |  |
| 20               | QPSK       | 1       | 0         | 19.83           | 20.15              | 20.07            | 21                  | 0        |  |
| 20               | QPSK       | 1       | 49        | 19.81           | 20.13              | 20.09            |                     |          |  |
| 20               | QPSK       | 1       | 99        | 19.80           | 19.93              | 19.93            |                     |          |  |
| 20               | QPSK       | 50      | 0         | 19.74           | 20.10              | 19.99            | 21                  | 0        |  |
| 20               | QPSK       | 50      | 24        | 19.82           | 19.98              | 20.08            |                     |          |  |
| 20               | QPSK       | 50      | 50        | 19.80           | 19.75              | 19.83            |                     |          |  |
| 20               | QPSK       | 100     | 0         | 19.83           | 20.06              | 20.01            | 21                  | 0        |  |
| 20               | 16QAM      | 1       | 0         | 19.72           | 19.95              | 19.80            |                     |          |  |
| 20               | 16QAM      | 1       | 49        | 19.72           | 19.87              | 19.88            |                     |          |  |
| 20               | 16QAM      | 1       | 99        | 19.79           | 19.73              | 19.86            | 21                  | 0        |  |
| 20               | 16QAM      | 50      | 0         | 19.72           | 19.88              | 19.88            |                     |          |  |
| 20               | 16QAM      | 50      | 24        | 19.69           | 19.79              | 19.83            |                     |          |  |
| 20               | 16QAM      | 50      | 50        | 19.73           | 19.67              | 19.82            | 21                  | 0        |  |
| 20               | 16QAM      | 100     | 0         | 19.86           | 20.10              | 19.94            |                     |          |  |
| 20               | 64QAM      | 1       | 0         | 19.82           | 19.83              | 19.87            |                     |          |  |
| 20               | 64QAM      | 1       | 49        | 19.81           | 19.88              | 19.81            | 21                  | 0        |  |
| 20               | 64QAM      | 1       | 99        | 19.72           | 19.82              | 19.86            |                     |          |  |
| 20               | 64QAM      | 50      | 0         | 19.81           | 19.88              | 20.08            |                     |          |  |
| 20               | 64QAM      | 50      | 24        | 19.89           | 20.00              | 19.83            | 21                  | 0        |  |
| 20               | 64QAM      | 50      | 50        | 19.81           | 19.88              | 19.87            |                     |          |  |
| 20               | 64QAM      | 100     | 0         | 19.82           | 19.78              | 19.82            |                     |          |  |
| Channel          |            |         |           | 20825           | 21100              | 21375            |                     |          |  |
| Frequency (MHz)  |            |         |           | 2507.5          | 2535               | 2562.5           |                     |          |  |
| 15               | QPSK       | 1       | 0         | 19.79           | 20.05              | 20.04            | 21                  | 0        |  |
| 15               | QPSK       | 1       | 37        | 19.72           | 20.10              | 20.02            |                     |          |  |
| 15               | QPSK       | 1       | 74        | 19.71           | 19.82              | 19.81            |                     |          |  |
| 15               | QPSK       | 36      | 0         | 19.54           | 20.04              | 19.97            | 21                  | 0        |  |
| 15               | QPSK       | 36      | 20        | 19.70           | 19.81              | 20.01            |                     |          |  |
| 15               | QPSK       | 36      | 39        | 19.77           | 19.74              | 19.91            |                     |          |  |
| 15               | QPSK       | 75      | 0         | 19.81           | 19.86              | 20.03            | 21                  | 0        |  |
| 15               | 16QAM      | 1       | 0         | 19.50           | 19.74              | 19.73            |                     |          |  |
| 15               | 16QAM      | 1       | 37        | 19.68           | 19.80              | 19.85            |                     |          |  |
| 15               | 16QAM      | 1       | 74        | 19.67           | 19.67              | 19.69            | 21                  | 0        |  |
| 15               | 16QAM      | 36      | 0         | 19.62           | 19.91              | 19.88            |                     |          |  |
| 15               | 16QAM      | 36      | 20        | 19.58           | 19.81              | 19.88            |                     |          |  |
| 15               | 16QAM      | 36      | 39        | 19.70           | 19.57              | 19.61            | 21                  | 0        |  |
| 15               | 16QAM      | 75      | 0         | 19.57           | 19.88              | 19.87            |                     |          |  |
| 15               | 64QAM      | 1       | 0         | 19.51           | 19.75              | 19.77            |                     |          |  |
| 15               | 64QAM      | 1       | 37        | 19.77           | 19.69              | 19.71            | 21                  | 0        |  |
| 15               | 64QAM      | 1       | 74        | 19.57           | 19.79              | 19.85            |                     |          |  |
| 15               | 64QAM      | 36      | 0         | 19.62           | 19.99              | 20.03            |                     |          |  |
| 15               | 64QAM      | 36      | 20        | 19.83           | 20.10              | 19.88            | 21                  | 0        |  |
| 15               | 64QAM      | 36      | 39        | 19.79           | 19.90              | 19.84            |                     |          |  |
| 15               | 64QAM      | 75      | 0         | 19.77           | 19.82              | 19.81            |                     |          |  |
| Channel          |            |         |           | 20800           | 21100              | 21400            |                     |          |  |
| Frequency (MHz)  |            |         |           | 2505            | 2535               | 2565             |                     |          |  |
| 10               | QPSK       | 1       | 0         | 19.71           | 19.97              | 19.88            | 21                  | 0        |  |
| 10               | QPSK       | 1       | 25        | 19.78           | 19.92              | 20.09            |                     |          |  |
| 10               | QPSK       | 1       | 49        | 19.72           | 19.78              | 19.87            |                     |          |  |
| 10               | QPSK       | 25      | 0         | 19.75           | 19.90              | 19.91            | 21                  | 0        |  |
| 10               | QPSK       | 25      | 12        | 19.84           | 19.88              | 19.88            |                     |          |  |
| 10               | QPSK       | 25      | 25        | 19.74           | 19.84              | 19.87            |                     |          |  |
| 10               | QPSK       | 50      | 0         | 19.80           | 19.93              | 19.87            | 21                  | 0        |  |
| 10               | 16QAM      | 1       | 0         | 19.73           | 19.90              | 19.81            |                     |          |  |
| 10               | 16QAM      | 1       | 25        | 19.84           | 19.86              | 19.92            |                     |          |  |
| 10               | 16QAM      | 1       | 49        | 19.78           | 19.74              | 19.82            | 21                  | 0        |  |
| 10               | 16QAM      | 25      | 0         | 19.52           | 19.91              | 19.75            |                     |          |  |
| 10               | 16QAM      | 25      | 12        | 19.62           | 19.85              | 19.83            |                     |          |  |
| 10               | 16QAM      | 25      | 25        | 19.84           | 20.01              | 19.85            | 21                  | 0        |  |
| 10               | 16QAM      | 50      | 0         | 19.88           | 20.10              | 19.96            |                     |          |  |
| 10               | 64QAM      | 1       | 0         | 19.70           | 19.72              | 19.83            |                     |          |  |
| 10               | 64QAM      | 1       | 25        | 19.73           | 19.57              | 19.69            | 21                  | 0        |  |
| 10               | 64QAM      | 1       | 49        | 19.54           | 19.86              | 19.97            |                     |          |  |
| 10               | 64QAM      | 25      | 0         | 19.79           | 19.84              | 19.82            |                     |          |  |
| 10               | 64QAM      | 25      | 12        | 19.81           | 19.85              | 19.81            | 21                  | 0        |  |
| 10               | 64QAM      | 25      | 25        | 19.81           | 19.89              | 19.73            |                     |          |  |
| 10               | 64QAM      | 50      | 0         | 19.65           | 19.67              | 19.81            |                     |          |  |
| Channel          |            |         |           | 20775           | 21100              | 21425            |                     |          |  |
| Frequency (MHz)  |            |         |           | 2502.5          | 2535               | 2567.5           |                     |          |  |
| 5                | QPSK       | 1       | 0         | 19.79           | 19.84              | 19.91            | 21                  | 0        |  |
| 5                | QPSK       | 1       | 12        | 19.80           | 19.92              | 19.93            |                     |          |  |
| 5                | QPSK       | 1       | 24        | 19.71           | 19.79              | 19.89            |                     |          |  |
| 5                | QPSK       | 12      | 0         | 19.61           | 20.02              | 19.95            | 21                  | 0        |  |
| 5                | QPSK       | 12      | 7         | 19.88           | 19.85              | 19.88            |                     |          |  |
| 5                | QPSK       | 12      | 13        | 19.74           | 19.54              | 19.77            |                     |          |  |
| 5                | QPSK       | 25      | 0         | 19.77           | 19.97              | 19.86            | 21                  | 0        |  |
| 5                | 16QAM      | 1       | 0         | 19.71           | 19.75              | 19.75            |                     |          |  |
| 5                | 16QAM      | 1       | 12        | 19.53           | 19.81              | 19.89            |                     |          |  |
| 5                | 16QAM      | 1       | 24        | 19.69           | 19.53              | 19.78            | 21                  | 0        |  |
| 5                | 16QAM      | 12      | 0         | 19.58           | 19.75              | 19.74            |                     |          |  |
| 5                | 16QAM      | 12      | 7         | 19.53           | 19.70              | 19.91            |                     |          |  |
| 5                | 16QAM      | 12      | 13        | 19.53           | 19.54              | 19.76            | 21                  | 0        |  |
| 5                | 16QAM      | 25      | 0         | 19.57           | 20.04              | 19.92            |                     |          |  |
| 5                | 64QAM      | 1       | 0         | 19.60           | 19.62              | 19.72            |                     |          |  |
| 5                | 64QAM      | 1       | 12        | 19.78           | 19.52              | 19.66            | 21                  | 0        |  |
| 5                | 64QAM      | 1       | 24        | 19.65           | 19.90              | 19.76            |                     |          |  |
| 5                | 64QAM      | 12      | 0         | 19.57           | 19.88              | 19.91            |                     |          |  |
| 5                | 64QAM      | 12      | 7         | 19.53           | 19.80              | 19.72            | 21                  | 0        |  |
| 5                | 64QAM      | 12      | 13        | 19.56           | 19.95              | 19.68            |                     |          |  |
| 5                | 64QAM      | 25      | 0         | 19.71           | 19.60              | 19.72            |                     |          |  |



Reduced Power for DSI 4 for Other PA

| Band 7 Ant7 Default |            |         |           |               |                  |                |                     |          |  |
|---------------------|------------|---------|-----------|---------------|------------------|----------------|---------------------|----------|--|
| BW [MHz]            | Modulation | RB Size | RB Offset | Power         |                  |                | Tune-up limit (dBm) | MPR (dB) |  |
|                     |            |         |           | Low Ch./Freq. | Middle Ch./Freq. | High Ch./Freq. |                     |          |  |
| Channel             |            |         |           | 20950         | 21100            | 21350          |                     |          |  |
| Frequency (MHz)     |            |         |           | 2510          | 2535             | 2560           |                     |          |  |
| 20                  | QPSK       | 1       | 0         | 22.95         | 23.17            | 23.12          | 24                  | 0        |  |
| 20                  | QPSK       | 1       | 49        | 22.93         | 23.13            | 23.00          |                     |          |  |
| 20                  | QPSK       | 1       | 99        | 22.86         | 22.96            | 22.95          |                     |          |  |
| 20                  | QPSK       | 50      | 0         | 21.99         | 22.14            | 22.00          | 23                  | 1        |  |
| 20                  | QPSK       | 50      | 24        | 21.98         | 21.98            | 21.89          |                     |          |  |
| 20                  | QPSK       | 50      | 50        | 21.89         | 22.15            | 22.08          |                     |          |  |
| 20                  | QPSK       | 100     | 0         | 21.94         | 22.11            | 22.01          | 23                  | 1        |  |
| 20                  | 16QAM      | 1       | 0         | 21.85         | 22.02            | 21.98          |                     |          |  |
| 20                  | 16QAM      | 1       | 49        | 21.85         | 21.97            | 22.00          |                     |          |  |
| 20                  | 16QAM      | 1       | 99        | 21.93         | 22.04            | 21.95          | 22                  | 2        |  |
| 20                  | 16QAM      | 50      | 0         | 21.18         | 21.18            | 21.18          |                     |          |  |
| 20                  | 16QAM      | 50      | 24        | 20.94         | 21.04            | 20.93          |                     |          |  |
| 20                  | 16QAM      | 50      | 50        | 21.02         | 21.12            | 21.00          | 22                  | 2        |  |
| 20                  | 16QAM      | 100     | 0         | 21.12         | 21.10            | 21.04          |                     |          |  |
| 20                  | 64QAM      | 1       | 0         | 20.93         | 21.00            | 20.94          |                     |          |  |
| 20                  | 64QAM      | 1       | 49        | 21.02         | 21.12            | 21.05          | 21                  | 3        |  |
| 20                  | 64QAM      | 1       | 99        | 20.88         | 21.11            | 21.11          |                     |          |  |
| 20                  | 64QAM      | 50      | 0         | 20.14         | 20.08            | 19.92          |                     |          |  |
| 20                  | 64QAM      | 50      | 24        | 19.93         | 19.97            | 19.81          | 21                  | 3        |  |
| 20                  | 64QAM      | 50      | 50        | 19.91         | 20.03            | 20.03          |                     |          |  |
| 20                  | 64QAM      | 100     | 0         | 19.95         | 20.01            | 20.01          |                     |          |  |
| Channel             |            |         |           | 20925         | 21100            | 21375          |                     |          |  |
| Frequency (MHz)     |            |         |           | 2507.5        | 2535             | 2562.5         |                     |          |  |
| 15                  | QPSK       | 1       | 0         | 22.91         | 23.12            | 23.07          | 24                  | 0        |  |
| 15                  | QPSK       | 1       | 37        | 22.86         | 23.08            | 22.94          |                     |          |  |
| 15                  | QPSK       | 1       | 74        | 22.71         | 22.87            | 22.86          |                     |          |  |
| 15                  | QPSK       | 36      | 0         | 21.89         | 22.05            | 21.93          | 23                  | 1        |  |
| 15                  | QPSK       | 36      | 20        | 21.86         | 21.94            | 21.83          |                     |          |  |
| 15                  | QPSK       | 36      | 39        | 21.84         | 22.08            | 21.97          |                     |          |  |
| 15                  | QPSK       | 75      | 0         | 21.86         | 22.07            | 21.95          | 23                  | 1        |  |
| 15                  | 16QAM      | 1       | 0         | 21.75         | 21.94            | 21.83          |                     |          |  |
| 15                  | 16QAM      | 1       | 37        | 21.79         | 21.90            | 21.93          |                     |          |  |
| 15                  | 16QAM      | 1       | 74        | 21.86         | 21.91            | 21.85          | 22                  | 2        |  |
| 15                  | 16QAM      | 36      | 0         | 21.12         | 21.05            | 21.06          |                     |          |  |
| 15                  | 16QAM      | 36      | 20        | 20.92         | 20.98            | 20.92          |                     |          |  |
| 15                  | 16QAM      | 36      | 39        | 20.95         | 20.98            | 20.88          | 22                  | 2        |  |
| 15                  | 16QAM      | 75      | 0         | 20.97         | 21.04            | 20.90          |                     |          |  |
| 15                  | 64QAM      | 1       | 0         | 20.83         | 20.89            | 20.90          |                     |          |  |
| 15                  | 64QAM      | 1       | 37        | 20.84         | 21.06            | 20.98          | 21                  | 3        |  |
| 15                  | 64QAM      | 1       | 74        | 20.90         | 20.98            | 21.07          |                     |          |  |
| 15                  | 64QAM      | 36      | 0         | 20.05         | 20.01            | 19.78          |                     |          |  |
| 15                  | 64QAM      | 36      | 20        | 19.85         | 19.89            | 19.71          | 21                  | 3        |  |
| 15                  | 64QAM      | 36      | 39        | 19.77         | 19.90            | 19.88          |                     |          |  |
| 15                  | 64QAM      | 75      | 0         | 19.87         | 19.87            | 19.93          |                     |          |  |
| Channel             |            |         |           | 20800         | 21100            | 21400          |                     |          |  |
| Frequency (MHz)     |            |         |           | 2505          | 2535             | 2565           |                     |          |  |
| 10                  | QPSK       | 1       | 0         | 22.80         | 23.04            | 23.01          | 24                  | 0        |  |
| 10                  | QPSK       | 1       | 25        | 22.87         | 23.01            | 22.91          |                     |          |  |
| 10                  | QPSK       | 1       | 49        | 22.79         | 22.86            | 22.90          |                     |          |  |
| 10                  | QPSK       | 25      | 0         | 21.88         | 22.03            | 21.90          | 23                  | 1        |  |
| 10                  | QPSK       | 25      | 12        | 21.87         | 21.89            | 21.84          |                     |          |  |
| 10                  | QPSK       | 25      | 25        | 21.79         | 22.02            | 22.01          |                     |          |  |
| 10                  | QPSK       | 50      | 0         | 21.88         | 22.07            | 21.92          | 23                  | 1        |  |
| 10                  | 16QAM      | 1       | 0         | 21.71         | 21.91            | 21.93          |                     |          |  |
| 10                  | 16QAM      | 1       | 25        | 21.73         | 21.89            | 21.96          |                     |          |  |
| 10                  | 16QAM      | 1       | 49        | 21.86         | 21.92            | 21.91          | 22                  | 2        |  |
| 10                  | 16QAM      | 25      | 0         | 21.09         | 21.03            | 21.11          |                     |          |  |
| 10                  | 16QAM      | 25      | 12        | 20.94         | 20.99            | 20.78          |                     |          |  |
| 10                  | 16QAM      | 25      | 25        | 20.88         | 20.99            | 20.86          | 22                  | 2        |  |
| 10                  | 16QAM      | 50      | 0         | 21.03         | 20.98            | 20.90          |                     |          |  |
| 10                  | 64QAM      | 1       | 0         | 20.83         | 20.89            | 20.89          |                     |          |  |
| 10                  | 64QAM      | 1       | 25        | 20.81         | 21.01            | 20.96          | 21                  | 3        |  |
| 10                  | 64QAM      | 1       | 49        | 20.84         | 21.00            | 20.98          |                     |          |  |
| 10                  | 64QAM      | 25      | 0         | 20.00         | 19.96            | 19.87          |                     |          |  |
| 10                  | 64QAM      | 25      | 12        | 19.86         | 19.89            | 19.76          | 21                  | 3        |  |
| 10                  | 64QAM      | 25      | 25        | 19.78         | 19.94            | 19.99          |                     |          |  |
| 10                  | 64QAM      | 50      | 0         | 19.82         | 19.87            | 19.91          |                     |          |  |
| Channel             |            |         |           | 20775         | 21100            | 21425          |                     |          |  |
| Frequency (MHz)     |            |         |           | 2502.5        | 2535             | 2567.5         |                     |          |  |
| 5                   | QPSK       | 1       | 0         | 22.81         | 23.10            | 23.00          | 24                  | 0        |  |
| 5                   | QPSK       | 1       | 12        | 22.89         | 23.03            | 22.95          |                     |          |  |
| 5                   | QPSK       | 1       | 24        | 22.78         | 22.86            | 22.82          |                     |          |  |
| 5                   | QPSK       | 12      | 0         | 21.94         | 22.03            | 21.87          | 23                  | 1        |  |
| 5                   | QPSK       | 12      | 7         | 21.89         | 21.86            | 21.86          |                     |          |  |
| 5                   | QPSK       | 12      | 13        | 21.84         | 22.09            | 21.96          |                     |          |  |
| 5                   | QPSK       | 25      | 0         | 21.87         | 22.04            | 21.96          | 23                  | 1        |  |
| 5                   | 16QAM      | 1       | 0         | 21.70         | 21.97            | 21.86          |                     |          |  |
| 5                   | 16QAM      | 1       | 12        | 21.82         | 21.89            | 21.92          |                     |          |  |
| 5                   | 16QAM      | 1       | 24        | 21.89         | 21.96            | 21.81          | 22                  | 2        |  |
| 5                   | 16QAM      | 12      | 0         | 21.06         | 21.05            | 21.09          |                     |          |  |
| 5                   | 16QAM      | 12      | 7         | 20.90         | 20.91            | 20.86          |                     |          |  |
| 5                   | 16QAM      | 12      | 13        | 20.89         | 21.09            | 20.86          | 22                  | 2        |  |
| 5                   | 16QAM      | 25      | 0         | 21.08         | 20.99            | 20.99          |                     |          |  |
| 5                   | 64QAM      | 1       | 0         | 20.78         | 20.95            | 20.83          |                     |          |  |
| 5                   | 64QAM      | 1       | 12        | 20.97         | 21.08            | 20.95          | 21                  | 3        |  |
| 5                   | 64QAM      | 1       | 24        | 20.91         | 21.04            | 21.04          |                     |          |  |
| 5                   | 64QAM      | 12      | 0         | 20.02         | 20.04            | 19.89          |                     |          |  |
| 5                   | 64QAM      | 12      | 7         | 19.78         | 19.86            | 19.76          | 21                  | 3        |  |
| 5                   | 64QAM      | 12      | 13        | 19.79         | 19.96            | 19.94          |                     |          |  |
| 5                   | 64QAM      | 25      | 0         | 19.80         | 19.89            | 19.88          |                     |          |  |





Reduced Power for DSI 6 for Other PA

| Band 7 Ant7 DSI6 |            |         |           |                 |                    |                  |         |     |  |
|------------------|------------|---------|-----------|-----------------|--------------------|------------------|---------|-----|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up | MPR |  |
|                  |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |         |     |  |
| Channel          |            |         |           | 2050            | 2100               | 2150             |         |     |  |
| Frequency (MHz)  |            |         |           | 2510            | 2535               | 2560             |         |     |  |
| 20               | QPSK       | 1       | 0         | 19.83           | 20.15              | 20.07            | 21      | 0   |  |
| 20               | QPSK       | 1       | 49        | 19.91           | 20.13              | 20.09            |         |     |  |
| 20               | QPSK       | 1       | 99        | 19.90           | 19.93              | 19.93            |         |     |  |
| 20               | QPSK       | 50      | 0         | 19.74           | 20.10              | 19.99            | 21      | 0   |  |
| 20               | QPSK       | 50      | 24        | 19.82           | 19.98              | 20.08            |         |     |  |
| 20               | QPSK       | 50      | 50        | 19.80           | 19.75              | 19.83            |         |     |  |
| 20               | QPSK       | 100     | 0         | 19.83           | 20.06              | 20.01            | 21      | 0   |  |
| 20               | 16QAM      | 1       | 0         | 19.72           | 19.95              | 19.80            |         |     |  |
| 20               | 16QAM      | 1       | 49        | 19.72           | 19.87              | 19.88            |         |     |  |
| 20               | 16QAM      | 1       | 99        | 19.79           | 19.73              | 19.86            | 21      | 0   |  |
| 20               | 16QAM      | 50      | 0         | 19.72           | 19.88              | 19.88            |         |     |  |
| 20               | 16QAM      | 50      | 24        | 19.69           | 19.79              | 19.83            |         |     |  |
| 20               | 16QAM      | 50      | 50        | 19.73           | 19.67              | 19.82            | 21      | 0   |  |
| 20               | 16QAM      | 100     | 0         | 19.66           | 20.10              | 19.94            |         |     |  |
| 20               | 64QAM      | 1       | 0         | 19.82           | 19.83              | 19.87            |         |     |  |
| 20               | 64QAM      | 1       | 49        | 19.91           | 19.68              | 19.81            | 21      | 0   |  |
| 20               | 64QAM      | 1       | 99        | 19.72           | 19.92              | 19.96            |         |     |  |
| 20               | 64QAM      | 50      | 0         | 19.61           | 19.98              | 20.08            |         |     |  |
| 20               | 64QAM      | 50      | 24        | 19.69           | 20.00              | 19.83            | 21      | 0   |  |
| 20               | 64QAM      | 50      | 50        | 19.61           | 19.98              | 19.87            |         |     |  |
| 20               | 64QAM      | 100     | 0         | 19.82           | 19.78              | 19.82            |         |     |  |
| Channel          |            |         |           | 20925           | 21100              | 21375            |         |     |  |
| Frequency (MHz)  |            |         |           | 2507.5          | 2535               | 2562.5           |         |     |  |
| 15               | QPSK       | 1       | 0         | 19.79           | 20.05              | 20.04            | 21      | 0   |  |
| 15               | QPSK       | 1       | 37        | 19.72           | 20.10              | 20.02            |         |     |  |
| 15               | QPSK       | 1       | 74        | 19.71           | 19.82              | 19.81            |         |     |  |
| 15               | QPSK       | 36      | 0         | 19.54           | 20.04              | 19.97            | 21      | 0   |  |
| 15               | QPSK       | 36      | 20        | 19.70           | 19.81              | 20.01            |         |     |  |
| 15               | QPSK       | 36      | 39        | 19.77           | 19.74              | 19.91            |         |     |  |
| 15               | QPSK       | 75      | 0         | 19.81           | 19.86              | 20.03            | 21      | 0   |  |
| 15               | 16QAM      | 1       | 0         | 19.50           | 19.74              | 19.73            |         |     |  |
| 15               | 16QAM      | 1       | 37        | 19.68           | 19.80              | 19.85            |         |     |  |
| 15               | 16QAM      | 1       | 74        | 19.67           | 19.67              | 19.69            | 21      | 0   |  |
| 15               | 16QAM      | 36      | 0         | 19.62           | 19.91              | 19.68            |         |     |  |
| 15               | 16QAM      | 36      | 20        | 19.58           | 19.61              | 19.88            |         |     |  |
| 15               | 16QAM      | 36      | 39        | 19.70           | 19.57              | 19.61            | 21      | 0   |  |
| 15               | 16QAM      | 75      | 0         | 19.57           | 19.98              | 19.87            |         |     |  |
| 15               | 64QAM      | 1       | 0         | 19.51           | 19.75              | 19.77            |         |     |  |
| 15               | 64QAM      | 1       | 37        | 19.77           | 19.69              | 19.71            | 21      | 0   |  |
| 15               | 64QAM      | 1       | 74        | 19.57           | 19.79              | 19.85            |         |     |  |
| 15               | 64QAM      | 36      | 0         | 19.62           | 19.99              | 20.03            |         |     |  |
| 15               | 64QAM      | 36      | 20        | 19.63           | 20.10              | 19.88            | 21      | 0   |  |
| 15               | 64QAM      | 36      | 39        | 19.79           | 19.90              | 19.84            |         |     |  |
| 15               | 64QAM      | 75      | 0         | 19.77           | 19.62              | 19.81            |         |     |  |
| Channel          |            |         |           | 20800           | 21100              | 21400            |         |     |  |
| Frequency (MHz)  |            |         |           | 2505            | 2535               | 2565             |         |     |  |
| 10               | QPSK       | 1       | 0         | 19.71           | 19.97              | 19.88            | 21      | 0   |  |
| 10               | QPSK       | 1       | 25        | 19.78           | 19.92              | 20.09            |         |     |  |
| 10               | QPSK       | 1       | 49        | 19.72           | 19.78              | 19.87            |         |     |  |
| 10               | QPSK       | 25      | 0         | 19.75           | 19.90              | 19.91            | 21      | 0   |  |
| 10               | QPSK       | 25      | 12        | 19.84           | 19.89              | 19.88            |         |     |  |
| 10               | QPSK       | 25      | 25        | 19.74           | 19.84              | 19.87            |         |     |  |
| 10               | QPSK       | 50      | 0         | 19.80           | 19.93              | 19.87            | 21      | 0   |  |
| 10               | 16QAM      | 1       | 0         | 19.73           | 19.90              | 19.81            |         |     |  |
| 10               | 16QAM      | 1       | 25        | 19.84           | 19.66              | 19.92            |         |     |  |
| 10               | 16QAM      | 1       | 49        | 19.78           | 19.74              | 19.82            | 21      | 0   |  |
| 10               | 16QAM      | 25      | 0         | 19.52           | 19.91              | 19.75            |         |     |  |
| 10               | 16QAM      | 25      | 12        | 19.62           | 19.85              | 19.83            |         |     |  |
| 10               | 16QAM      | 25      | 25        | 19.84           | 20.01              | 19.85            | 21      | 0   |  |
| 10               | 16QAM      | 50      | 0         | 19.88           | 20.10              | 19.96            |         |     |  |
| 10               | 64QAM      | 1       | 0         | 19.70           | 19.72              | 19.83            |         |     |  |
| 10               | 64QAM      | 1       | 25        | 19.73           | 19.57              | 19.69            | 21      | 0   |  |
| 10               | 64QAM      | 1       | 49        | 19.54           | 19.86              | 19.97            |         |     |  |
| 10               | 64QAM      | 25      | 0         | 19.79           | 19.84              | 19.92            |         |     |  |
| 10               | 64QAM      | 25      | 12        | 19.81           | 19.85              | 19.91            | 21      | 0   |  |
| 10               | 64QAM      | 25      | 25        | 19.81           | 19.89              | 19.73            |         |     |  |
| 10               | 64QAM      | 50      | 0         | 19.65           | 19.67              | 19.81            |         |     |  |
| Channel          |            |         |           | 20775           | 21100              | 21425            |         |     |  |
| Frequency (MHz)  |            |         |           | 2502.5          | 2535               | 2567.5           |         |     |  |
| 5                | QPSK       | 1       | 0         | 19.79           | 19.84              | 19.91            | 21      | 0   |  |
| 5                | QPSK       | 1       | 12        | 19.80           | 19.92              | 19.93            |         |     |  |
| 5                | QPSK       | 1       | 24        | 19.71           | 19.79              | 19.89            |         |     |  |
| 5                | QPSK       | 12      | 0         | 19.61           | 20.02              | 19.95            | 21      | 0   |  |
| 5                | QPSK       | 12      | 7         | 19.68           | 19.85              | 19.88            |         |     |  |
| 5                | QPSK       | 12      | 13        | 19.74           | 19.54              | 19.77            |         |     |  |
| 5                | QPSK       | 25      | 0         | 19.77           | 19.97              | 19.86            | 21      | 0   |  |
| 5                | 16QAM      | 1       | 0         | 19.71           | 19.75              | 19.75            |         |     |  |
| 5                | 16QAM      | 1       | 12        | 19.53           | 19.81              | 19.89            |         |     |  |
| 5                | 16QAM      | 1       | 24        | 19.69           | 19.53              | 19.78            | 21      | 0   |  |
| 5                | 16QAM      | 12      | 0         | 19.58           | 19.75              | 19.74            |         |     |  |
| 5                | 16QAM      | 12      | 7         | 19.53           | 19.70              | 19.91            |         |     |  |
| 5                | 16QAM      | 12      | 13        | 19.53           | 19.54              | 19.76            | 21      | 0   |  |
| 5                | 16QAM      | 25      | 0         | 19.57           | 20.04              | 19.92            |         |     |  |
| 5                | 64QAM      | 1       | 0         | 19.60           | 19.62              | 19.72            |         |     |  |
| 5                | 64QAM      | 1       | 12        | 19.78           | 19.52              | 19.66            | 21      | 0   |  |
| 5                | 64QAM      | 1       | 24        | 19.65           | 19.90              | 19.76            |         |     |  |
| 5                | 64QAM      | 12      | 0         | 19.57           | 19.99              | 19.91            |         |     |  |
| 5                | 64QAM      | 12      | 7         | 19.53           | 19.80              | 19.72            | 21      | 0   |  |
| 5                | 64QAM      | 12      | 13        | 19.56           | 19.95              | 19.68            |         |     |  |
| 5                | 64QAM      | 25      | 0         | 19.71           | 19.60              | 19.72            |         |     |  |



Reduced Power for DSI 7 for Other PA

| Band 7 Ant7 DSI7 |            |         |           |                       |                          |                        |                     |          |  |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel          |            |         |           | 2050                  | 2100                     | 2150                   |                     |          |  |
| Frequency (MHz)  |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |  |
| 20               | QPSK       | 1       | 0         | 19.83                 | 20.15                    | 20.07                  | 21                  | 0        |  |
| 20               | QPSK       | 1       | 49        | 19.91                 | 20.13                    | 20.09                  |                     |          |  |
| 20               | QPSK       | 1       | 99        | 19.90                 | 19.93                    | 19.93                  |                     |          |  |
| 20               | QPSK       | 50      | 0         | 19.74                 | 20.10                    | 19.99                  | 21                  | 0        |  |
| 20               | QPSK       | 50      | 24        | 19.82                 | 19.98                    | 20.08                  |                     |          |  |
| 20               | QPSK       | 50      | 50        | 19.05                 | 19.04                    | 19.08                  |                     |          |  |
| 20               | QPSK       | 100     | 0         | 19.83                 | 20.06                    | 20.01                  | 21                  | 0        |  |
| 20               | 16QAM      | 1       | 0         | 19.71                 | 19.89                    | 19.94                  |                     |          |  |
| 20               | 16QAM      | 1       | 49        | 19.73                 | 19.94                    | 20.08                  |                     |          |  |
| 20               | 16QAM      | 1       | 99        | 19.68                 | 19.78                    | 19.87                  | 21                  | 0        |  |
| 20               | 16QAM      | 50      | 0         | 19.17                 | 19.18                    | 19.07                  |                     |          |  |
| 20               | 16QAM      | 50      | 24        | 19.05                 | 19.03                    | 19.07                  |                     |          |  |
| 20               | 16QAM      | 50      | 50        | 19.05                 | 19.04                    | 19.08                  | 21                  | 0        |  |
| 20               | 16QAM      | 100     | 0         | 19.05                 | 19.01                    | 19.09                  |                     |          |  |
| 20               | 64QAM      | 1       | 0         | 19.02                 | 19.05                    | 19.02                  |                     |          |  |
| 20               | 64QAM      | 1       | 49        | 19.03                 | 19.06                    | 19.03                  | 21                  | 0        |  |
| 20               | 64QAM      | 1       | 99        | 19.04                 | 19.00                    | 19.13                  |                     |          |  |
| 20               | 64QAM      | 50      | 0         | 19.22                 | 19.04                    | 19.03                  |                     |          |  |
| 20               | 64QAM      | 50      | 24        | 19.01                 | 19.08                    | 19.03                  | 21                  | 0        |  |
| 20               | 64QAM      | 50      | 50        | 19.02                 | 19.08                    | 19.15                  |                     |          |  |
| 20               | 64QAM      | 100     | 0         | 19.09                 | 19.09                    | 19.06                  |                     |          |  |
| Channel          |            |         |           | 2092.5                | 21100                    | 21375                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |          |  |
| 15               | QPSK       | 1       | 0         | 19.82                 | 20.14                    | 20.06                  | 21                  | 0        |  |
| 15               | QPSK       | 1       | 37        | 19.90                 | 20.12                    | 20.09                  |                     |          |  |
| 15               | QPSK       | 1       | 74        | 19.90                 | 19.91                    | 19.92                  |                     |          |  |
| 15               | QPSK       | 36      | 0         | 19.73                 | 20.09                    | 19.98                  | 21                  | 0        |  |
| 15               | QPSK       | 36      | 20        | 19.81                 | 19.07                    | 20.08                  |                     |          |  |
| 15               | QPSK       | 36      | 39        | 19.89                 | 19.75                    | 19.93                  |                     |          |  |
| 15               | QPSK       | 75      | 0         | 19.82                 | 20.05                    | 20.00                  | 21                  | 0        |  |
| 15               | 16QAM      | 1       | 0         | 19.70                 | 19.87                    | 19.93                  |                     |          |  |
| 15               | 16QAM      | 1       | 37        | 19.71                 | 19.93                    | 20.07                  |                     |          |  |
| 15               | 16QAM      | 1       | 74        | 19.66                 | 19.77                    | 19.85                  | 21                  | 0        |  |
| 15               | 16QAM      | 36      | 0         | 19.16                 | 19.18                    | 19.07                  |                     |          |  |
| 15               | 16QAM      | 36      | 20        | 19.04                 | 19.03                    | 19.05                  |                     |          |  |
| 15               | 16QAM      | 36      | 39        | 19.03                 | 19.02                    | 19.07                  | 21                  | 0        |  |
| 15               | 16QAM      | 75      | 0         | 19.04                 | 19.05                    | 19.09                  |                     |          |  |
| 15               | 64QAM      | 1       | 0         | 19.02                 | 19.03                    | 19.02                  |                     |          |  |
| 15               | 64QAM      | 1       | 37        | 19.02                 | 19.05                    | 19.03                  | 21                  | 0        |  |
| 15               | 64QAM      | 1       | 74        | 19.03                 | 19.08                    | 19.11                  |                     |          |  |
| 15               | 64QAM      | 36      | 0         | 19.22                 | 19.03                    | 19.01                  |                     |          |  |
| 15               | 64QAM      | 36      | 20        | 19.01                 | 19.07                    | 19.02                  | 21                  | 0        |  |
| 15               | 64QAM      | 36      | 39        | 19.01                 | 19.09                    | 19.14                  |                     |          |  |
| 15               | 64QAM      | 75      | 0         | 19.09                 | 19.07                    | 19.06                  |                     |          |  |
| Channel          |            |         |           | 20800                 | 21100                    | 21400                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2505                  | 2535                     | 2565                   |                     |          |  |
| 10               | QPSK       | 1       | 0         | 19.82                 | 20.14                    | 20.04                  | 21                  | 0        |  |
| 10               | QPSK       | 1       | 25        | 19.88                 | 20.09                    | 20.07                  |                     |          |  |
| 10               | QPSK       | 1       | 49        | 19.88                 | 19.90                    | 19.91                  |                     |          |  |
| 10               | QPSK       | 25      | 0         | 19.71                 | 20.08                    | 19.97                  | 21                  | 0        |  |
| 10               | QPSK       | 25      | 12        | 19.81                 | 19.88                    | 20.04                  |                     |          |  |
| 10               | QPSK       | 25      | 25        | 19.88                 | 19.73                    | 19.91                  |                     |          |  |
| 10               | QPSK       | 50      | 0         | 19.82                 | 20.05                    | 19.98                  | 21                  | 0        |  |
| 10               | 16QAM      | 1       | 0         | 19.68                 | 19.88                    | 19.90                  |                     |          |  |
| 10               | 16QAM      | 1       | 25        | 19.69                 | 19.93                    | 20.05                  |                     |          |  |
| 10               | 16QAM      | 1       | 49        | 19.65                 | 19.74                    | 19.86                  | 21                  | 0        |  |
| 10               | 16QAM      | 25      | 0         | 19.15                 | 19.17                    | 19.05                  |                     |          |  |
| 10               | 16QAM      | 25      | 12        | 19.03                 | 19.02                    | 19.06                  |                     |          |  |
| 10               | 16QAM      | 25      | 25        | 19.03                 | 19.02                    | 19.06                  | 21                  | 0        |  |
| 10               | 16QAM      | 50      | 0         | 19.05                 | 19.00                    | 19.06                  |                     |          |  |
| 10               | 64QAM      | 1       | 0         | 19.00                 | 19.04                    | 19.00                  |                     |          |  |
| 10               | 64QAM      | 1       | 25        | 19.01                 | 19.04                    | 19.00                  | 21                  | 0        |  |
| 10               | 64QAM      | 1       | 49        | 19.01                 | 19.02                    | 19.12                  |                     |          |  |
| 10               | 64QAM      | 25      | 0         | 19.20                 | 19.02                    | 19.00                  |                     |          |  |
| 10               | 64QAM      | 25      | 12        | 19.11                 | 19.06                    | 19.00                  | 21                  | 0        |  |
| 10               | 64QAM      | 25      | 25        | 19.13                 | 19.09                    | 19.14                  |                     |          |  |
| 10               | 64QAM      | 50      | 0         | 19.09                 | 19.07                    | 19.03                  |                     |          |  |
| Channel          |            |         |           | 20775                 | 21100                    | 21425                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz)  |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |          |  |
| 5                | QPSK       | 1       | 0         | 19.80                 | 20.12                    | 20.01                  | 21                  | 0        |  |
| 5                | QPSK       | 1       | 12        | 19.89                 | 20.08                    | 20.06                  |                     |          |  |
| 5                | QPSK       | 1       | 24        | 19.88                 | 19.90                    | 19.90                  |                     |          |  |
| 5                | QPSK       | 12      | 0         | 19.70                 | 20.07                    | 19.95                  | 21                  | 0        |  |
| 5                | QPSK       | 12      | 7         | 19.79                 | 19.88                    | 20.04                  |                     |          |  |
| 5                | QPSK       | 12      | 13        | 19.87                 | 19.75                    | 19.90                  |                     |          |  |
| 5                | QPSK       | 25      | 0         | 19.82                 | 20.06                    | 19.96                  | 21                  | 0        |  |
| 5                | 16QAM      | 1       | 0         | 19.70                 | 19.85                    | 19.90                  |                     |          |  |
| 5                | 16QAM      | 1       | 12        | 19.68                 | 19.92                    | 20.04                  |                     |          |  |
| 5                | 16QAM      | 1       | 24        | 19.66                 | 19.74                    | 19.84                  | 21                  | 0        |  |
| 5                | 16QAM      | 12      | 0         | 19.16                 | 19.13                    | 19.04                  |                     |          |  |
| 5                | 16QAM      | 12      | 7         | 19.01                 | 19.00                    | 19.04                  |                     |          |  |
| 5                | 16QAM      | 12      | 13        | 19.02                 | 19.02                    | 19.07                  | 21                  | 0        |  |
| 5                | 16QAM      | 25      | 0         | 19.05                 | 19.05                    | 19.04                  |                     |          |  |
| 5                | 64QAM      | 1       | 0         | 19.02                 | 19.01                    | 19.00                  |                     |          |  |
| 5                | 64QAM      | 1       | 12        | 19.01                 | 19.02                    | 19.01                  | 21                  | 0        |  |
| 5                | 64QAM      | 1       | 24        | 19.05                 | 19.08                    | 19.12                  |                     |          |  |
| 5                | 64QAM      | 12      | 0         | 19.20                 | 19.02                    | 19.01                  |                     |          |  |
| 5                | 64QAM      | 12      | 7         | 19.04                 | 19.03                    | 19.00                  | 21                  | 0        |  |
| 5                | 64QAM      | 12      | 13        | 19.02                 | 19.07                    | 19.13                  |                     |          |  |
| 5                | 64QAM      | 25      | 0         | 19.07                 | 19.08                    | 19.05                  |                     |          |  |



## Uplink CA Power

| CA_7C                                 |             |            |         |           |         |           |                      |                     |
|---------------------------------------|-------------|------------|---------|-----------|---------|-----------|----------------------|---------------------|
| Combination 20MHz+20MHz (100RB+100RB) |             |            |         |           |         |           |                      |                     |
| PCC Channel                           | SCC Channel | Modulation | PCC     |           | SCC     |           | Measured Power (dBm) | Tune up Power (dBm) |
|                                       |             |            | RB Size | RB offset | RB Size | RB offset |                      |                     |
| 20850                                 | 21048       | QPSK       | 1       | 99        | 1       | 0         | 22.37                | 24.00               |
| 21100                                 | 21298       | QPSK       | 1       | 99        | 1       | 0         | 22.41                | 24.00               |
| 21350                                 | 21152       | QPSK       | 1       | 0         | 1       | 99        | 22.32                | 24.00               |



**DL CA Power**  
2CA DL

| CA List    | PCC     |       |       |            |         |      |     |           |                          | SCC     |       |            |         |                          | Power          |                |
|------------|---------|-------|-------|------------|---------|------|-----|-----------|--------------------------|---------|-------|------------|---------|--------------------------|----------------|----------------|
|            | LTE     | BW    | BW    | UL         | UL      | Mod. | UL# | UL        | DL Antenna Configuration | LTE     | BW    | DL         | DL      | DL Antenna Configuration | With CA        | Without CA     |
|            | Band    | Ant   | (MHz) | Freq (MHz) | Channel |      | RB  | RB Offset |                          | Band    | (MHz) | Freq (MHz) | Channel |                          | Tx Power (dBm) | Tx Power (dBm) |
| CA_2A-5A   | Band 2  | Ant 1 | 20M   | 1880       | 18900   | QPSK | 1   | 0         |                          | Band 5  | 10M   | 881.5      | 2525    |                          | 22.39          | 22.56          |
|            | Band 5  | Ant 1 | 10M   | 836.5      | 20525   | QPSK | 1   | 0         |                          | Band 2  | 20M   | 1960       | 900     |                          | 22.74          | 22.88          |
|            | Band 2  | Ant 7 | 20M   | 1880       | 18900   | QPSK | 1   | 0         |                          | Band 5  | 10M   | 881.5      | 2525    |                          | 20.45          | 20.55          |
|            | Band 5  | Ant 7 | 10M   | 836.5      | 20525   | QPSK | 1   | 0         |                          | Band 2  | 20M   | 1960       | 900     |                          | 21.32          | 21.48          |
| CA_2A-7A   | Band 2  | Ant 1 | 20M   | 1880       | 18900   | QPSK | 1   | 0         |                          | Band 7  | 20M   | 2655       | 3100    | 4x4MIMO                  | 22.43          | 22.56          |
|            | Band 2  | Ant 7 | 20M   | 1880       | 18900   | QPSK | 1   | 0         |                          | Band 7  | 20M   | 2655       | 3100    | 4x4MIMO                  | 20.32          | 20.55          |
| CA_5A-7A   | Band 7  | Ant 2 | 20M   | 2535       | 21100   | QPSK | 1   | 0         | 4x4MIMO                  | Band 2  | 20M   | 1960       | 900     |                          | 22.61          | 22.99          |
|            | Band 5  | Ant 1 | 10M   | 836.5      | 20525   | QPSK | 1   | 0         |                          | Band 7  | 20M   | 2655       | 3100    | 4x4MIMO                  | 22.73          | 22.88          |
|            | Band 5  | Ant 7 | 10M   | 836.5      | 20525   | QPSK | 1   | 0         |                          | Band 7  | 20M   | 2655       | 3100    | 4x4MIMO                  | 21.36          | 21.48          |
|            | Band 7  | Ant 2 | 20M   | 2535       | 21100   | QPSK | 1   | 0         | 4x4MIMO                  | Band 5  | 10M   | 881.5      | 2525    |                          | 22.89          | 22.99          |
| CA_5A-38A  | Band 38 | Ant 2 | 20M   | 2595       | 38000   | QPSK | 1   | 0         | 4x4MIMO                  | Band 5  | 10M   | 881.5      | 2525    |                          | 22.78          | 22.87          |
| CA_5A-41A  | Band 41 | Ant 2 | 20M   | 2593       | 40620   | QPSK | 1   | 0         | 4x4MIMO                  | Band 5  | 10M   | 881.5      | 2525    |                          | 22.77          | 22.89          |
| CA_7B      | Band 7  | Ant 2 | 15M   | 2535       | 21100   | QPSK | 1   | 0         | 4x4MIMO                  | Band 7  | 5M    | 2544.3     | 3193    | 4x4MIMO                  | 22.81          | 22.99          |
| CA_7C      | Band 7  | Ant 2 | 20M   | 2535       | 21100   | QPSK | 1   | 0         | 4x4MIMO                  | Band 7  | 20M   | 2554.8     | 3298    | 4x4MIMO                  | 22.86          | 22.99          |
| CA_7A-7A   | Band 7  | Ant 2 | 20M   | 2535       | 21100   | QPSK | 1   | 0         | 4x4MIMO                  | Band 7  | 5M    | 267.5      | 3425    | 4x4MIMO                  | 22.85          | 22.99          |
| CA_38C     | Band 38 | Ant 2 | 20M   | 2580       | 37850   | QPSK | 1   | 0         | 4x4MIMO                  | Band 38 | 20M   | 2599.8     | 38048   | 4x4MIMO                  | 22.72          | 22.87          |
| CA_41C     | Band 41 | Ant 2 | 20M   | 2593       | 40620   | QPSK | 1   | 0         | 4x4MIMO                  | Band 41 | 20M   | 2612.8     | 40818   | 4x4MIMO                  | 22.75          | 22.89          |
| CA_41A-41A | Band 41 | Ant 2 | 20M   | 2593       | 40620   | QPSK | 1   | 0         | 4x4MIMO                  | Band 41 | 5M    | 267.5      | 41565   | 4x4MIMO                  | 22.70          | 22.89          |



3CA DL

| 3CA List    | PCC     |       |       |            |       |      |           |      |                          | SCC1    |         |            |       | SCC2                     |         |      |        | Power   |                          |                 |                 |       |
|-------------|---------|-------|-------|------------|-------|------|-----------|------|--------------------------|---------|---------|------------|-------|--------------------------|---------|------|--------|---------|--------------------------|-----------------|-----------------|-------|
|             | LTE     | BW    | BW    | UL         | UL    | Mod. | UL#       | UL   | DL Antenna Configuration | LTE     | BW      | DL         | DL    | DL Antenna Configuration | LTE     | BW   | DL     | DL      | DL Antenna Configuration | With CA         | Without CA      |       |
|             | Band    | Ant   | (MHz) | Channel    | RB    |      | RB Offset | Band |                          | (MHz)   | Channel | Band       | (MHz) |                          | Channel | Band | (MHz)  | Channel |                          | Tx. Power (dBm) | Tx. Power (dBm) |       |
|             |         |       |       | Freq (MHz) |       |      |           |      |                          |         |         | Freq (MHz) |       |                          |         |      |        |         |                          |                 |                 |       |
| CA_2A-7C    | Band 2  | Ant 1 | 20M   | 1880       | 18900 | QPSK | 1         | 0    |                          | Band 7  | 20M     | 2655       | 3100  | 4x4MIMO                  | Band 7  | 20M  | 2554.8 | 3298    | 4x4MIMO                  |                 | 22.51           | 22.56 |
|             | Band 2  | Ant 7 | 20M   | 1880       | 18900 | QPSK | 1         | 0    |                          | Band 7  | 20M     | 2655       | 3100  | 4x4MIMO                  | Band 7  | 20M  | 2554.8 | 3298    | 4x4MIMO                  |                 | 20.50           | 20.55 |
|             | Band 7  | Ant 2 | 20M   | 2535       | 21100 | QPSK | 1         | 0    | 4x4MIMO                  | Band 7  | 20M     | 2554.8     | 3298  | 4x4MIMO                  | Band 2  | 20M  | 1960   | 900     |                          |                 | 22.78           | 22.99 |
| CA_2A-7A-7A | Band 2  | Ant 1 | 20M   | 1880       | 18900 | QPSK | 1         | 0    |                          | Band 7  | 20M     | 2655       | 3100  | 4x4MIMO                  | Band 7  | 5M   | 2687.5 | 3425    | 4x4MIMO                  |                 | 22.46           | 22.56 |
|             | Band 2  | Ant 7 | 20M   | 1880       | 18900 | QPSK | 1         | 0    |                          | Band 7  | 20M     | 2655       | 3100  | 4x4MIMO                  | Band 7  | 5M   | 2687.5 | 3425    | 4x4MIMO                  |                 | 20.46           | 20.55 |
|             | Band 7  | Ant 2 | 20M   | 2535       | 21100 | QPSK | 1         | 0    | 4x4MIMO                  | Band 7  | 5M      | 2687.5     | 3425  | 4x4MIMO                  | Band 2  | 20M  | 1960   | 900     |                          |                 | 22.92           | 22.98 |
| CA_5A-7C    | Band 5  | Ant 1 | 10M   | 836.5      | 20525 | QPSK | 1         | 0    |                          | Band 7  | 20M     | 2655       | 3100  | 4x4MIMO                  | Band 7  | 20M  | 2554.8 | 3298    | 4x4MIMO                  |                 | 22.84           | 22.88 |
|             | Band 5  | Ant 7 | 10M   | 836.5      | 20525 | QPSK | 1         | 0    |                          | Band 7  | 20M     | 2655       | 3100  | 4x4MIMO                  | Band 7  | 20M  | 2554.8 | 3298    | 4x4MIMO                  |                 | 21.92           | 21.48 |
|             | Band 7  | Ant 2 | 20M   | 2535       | 21100 | QPSK | 1         | 0    | 4x4MIMO                  | Band 7  | 20M     | 2554.8     | 3298  | 4x4MIMO                  | Band 5  | 10M  | 881.5  | 2525    |                          |                 | 22.75           | 22.99 |
| CA_41D      | Band 41 | Ant 2 | 20M   | 2593       | 40620 | QPSK | 1         | 0    | 4x4MIMO                  | Band 41 | 20M     | 2672.8     | 40818 | 4x4MIMO                  | Band 41 | 20M  | 2632.6 | 41016   | 4x4MIMO                  |                 | 22.86           | 22.89 |
| CA_41A-41C  | Band 41 | Ant 2 | 20M   | 2675.8     | 39750 | QPSK | 1         | 0    | 4x4MIMO                  | Band 41 | 20M     | 2660.2     | 41292 | 4x4MIMO                  | Band 41 | 20M  | 2680   | 41490   | 4x4MIMO                  |                 | 22.73           | 22.89 |



Default Power for 5G NR DFT-30 for Main PA

| n2 Ant1 Default |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  |                           |                         | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 372000 | Middle Ch. / Freq. 376000 | High Ch. / Freq. 380000 |                     |          |  |
| Channel         |            |         |           | 1950                   | 1950                      | 1950                    |                     |          |  |
| Frequency (MHz) |            |         |           |                        |                           |                         |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.78                  | 22.82                     | 22.70                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.59                  | 22.73                     | 22.65                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.63                  | 22.68                     | 22.56                   |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.16                  | 22.31                     | 22.20                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.77                  | 22.81                     | 22.73                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.11                  | 22.23                     | 22.15                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.20                  | 22.29                     | 22.24                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 22.83                  | 22.88                     | 22.76                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 22.73                  | 22.76                     | 22.64                   |                     |          |  |
| 20              | QPSK       | 1       | 49        | 22.63                  | 22.71                     | 22.58                   |                     |          |  |
| 20              | QPSK       | 25      | 0         | 21.68                  | 21.78                     | 21.71                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.74                  | 22.85                     | 22.78                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 21.89                  | 21.74                     | 21.62                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 21.74                  | 21.51                     | 21.75                   |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.43                  | 21.51                     | 21.44                   | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.12                  | 20.16                     | 20.08                   | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63                  | 18.70                     | 18.57                   | 19.5                | 4.5      |  |
| Channel         |            |         |           | 371500                 | 376000                    | 380500                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                 | 1850                      | 1820.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.76                  | 22.85                     | 22.70                   | 24.0                | 0.0      |  |
| Channel         |            |         |           | 371000                 | 376000                    | 381000                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                   | 1880                      | 1905                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.79                  | 22.81                     | 22.64                   | 24.0                | 0.0      |  |

| n5 Ant1 Default |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  |                           |                         | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 166800 | Middle Ch. / Freq. 167300 | High Ch. / Freq. 167800 |                     |          |  |
| Channel         |            |         |           | 831                    | 836.5                     | 839                     |                     |          |  |
| Frequency (MHz) |            |         |           |                        |                           |                         |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00                  | 23.05                     | 22.84                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.90                  | 23.00                     | 22.88                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.84                  | 22.96                     | 22.84                   |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.57                  | 22.62                     | 22.55                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.91                  | 23.06                     | 23.02                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.43                  | 22.54                     | 22.46                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.54                  | 22.63                     | 22.54                   |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.04                  | 23.14                     | 23.10                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 22.93                  | 23.04                     | 22.99                   |                     |          |  |
| 20              | QPSK       | 1       | 49        | 22.79                  | 22.90                     | 22.84                   |                     |          |  |
| 20              | QPSK       | 25      | 0         | 22.10                  | 22.16                     | 22.13                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.95                  | 23.06                     | 22.95                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 22.00                  | 22.03                     | 22.00                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 22.06                  | 22.11                     | 21.97                   |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.69                  | 21.76                     | 21.70                   | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.14                  | 20.19                     | 20.15                   | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63                  | 18.75                     | 18.69                   | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                 | 167300                    | 168300                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                  | 836.5                     | 841.5                   |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.93                  | 23.08                     | 23.03                   | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                 | 167300                    | 168800                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                    | 836.5                     | 844                     |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.90                  | 23.01                     | 22.96                   | 24.0                | 0.0      |  |



### n7 Ant2 Default

| Bandwidth [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 50200                 | 50700                    | 51200                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.92                 | 23.02                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 26        | 22.81                 | 22.96                    | 22.84                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 49        | 22.87                 | 22.91                    | 22.78                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 22.38                 | 22.52                    | 22.47                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 25      | 13        | 22.97                 | 23.01                    | 22.95                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 22.50                 | 22.54                    | 22.40                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.45                 | 22.58                    | 22.48                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.97                 | 23.05                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 26        | 22.92                 | 23.02                    | 22.88                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.88                 | 22.94                    | 22.85                  |                     |          |
| 20              | QPSK       | 25      | 0         | 21.86                 | 22.01                    | 21.91                  | 23.0                | 1.0      |
| 20              | QPSK       | 25      | 13        | 22.98                 | 23.03                    | 22.91                  | 24.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 21.98                 | 22.07                    | 21.96                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 22.02                 | 22.11                    | 21.97                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.53                 | 21.64                    | 21.49                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.22                 | 20.28                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.83                 | 18.88                    | 18.72                  | 19.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 |                     |          |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 22.89                 | 23.00                    | 22.98                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 |                     |          |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 22.83                 | 22.98                    | 22.94                  | 24.0                | 0.0      |



| n38 Ant2 Default |            |         |           |                       |                          |                        |          |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW (MHz)         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 40               | PI2 BPSK   | 1       | 1         | 22.29                 | 22.39                    | 22.30                  |          |
| 40               | PI2 BPSK   | 1       | 53        | 22.97                 | 23.07                    | 22.92                  | 0.0      |
| 40               | PI2 BPSK   | 1       | 104       | 22.49                 | 22.59                    | 22.52                  |          |
| 40               | PI2 BPSK   | 50      | 0         | 22.34                 | 22.48                    | 22.45                  | 23.5 0.5 |
| 40               | PI2 BPSK   | 50      | 28        | 22.95                 | 23.07                    | 22.93                  | 24.0 0.0 |
| 40               | PI2 BPSK   | 50      | 56        | 22.33                 | 22.36                    | 22.24                  | 23.5 0.5 |
| 40               | PI2 BPSK   | 100     | 0         | 22.37                 | 22.49                    | 22.37                  |          |
| 40               | QPSK       | 1       | 1         | 22.33                 | 22.44                    | 22.41                  |          |
| 40               | QPSK       | 1       | 53        | 23.07                 | 23.11                    | 23.02                  | 24.0 0.0 |
| 40               | QPSK       | 1       | 104       | 22.49                 | 22.53                    | 22.44                  |          |
| 40               | QPSK       | 50      | 0         | 21.75                 | 21.90                    | 21.82                  | 23.0 1.0 |
| 40               | QPSK       | 50      | 28        | 22.92                 | 23.03                    | 22.96                  | 24.0 0.0 |
| 40               | QPSK       | 50      | 56        | 21.78                 | 21.87                    | 21.77                  | 23.0 1.0 |
| 40               | QPSK       | 100     | 0         | 21.83                 | 21.95                    | 21.88                  |          |
| 40               | 16QAM      | 1       | 1         | 21.08                 | 21.16                    | 21.05                  | 23.0 1.0 |
| 40               | 64QAM      | 1       | 1         | 19.73                 | 19.83                    | 19.75                  | 21.5 2.5 |
| 40               | 256QAM     | 1       | 1         | 18.34                 | 18.42                    | 18.32                  | 19.5 4.5 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 30               | QPSK       | 1       | 1         | 23.01                 | 22.99                    | 22.97                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 25               | QPSK       | 1       | 1         | 22.97                 | 22.97                    | 22.96                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 20               | QPSK       | 1       | 1         | 23.02                 | 23.00                    | 22.93                  | 19.0 2.5 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 15               | QPSK       | 1       | 1         | 23.03                 | 23.04                    | 22.95                  | 19.0 2.5 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 10               | QPSK       | 1       | 1         | 22.99                 | 23.08                    | 22.90                  | 15.0 4.5 |

| n41 Ant2 Default |            |         |           |                       |                          |                        |          |
|------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW (MHz)         | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 100              | PI2 BPSK   | 1       | 1         | 22.02                 | 22.06                    | 22.03                  |          |
| 100              | PI2 BPSK   | 1       | 137       | 23.06                 | 23.09                    | 22.99                  | 0.0      |
| 100              | PI2 BPSK   | 1       | 271       | 22.01                 | 22.10                    | 22.04                  |          |
| 100              | PI2 BPSK   | 135     | 0         | 22.35                 | 22.38                    | 22.27                  | 23.5 0.5 |
| 100              | PI2 BPSK   | 135     | 69        | 23.07                 | 23.16                    | 23.13                  | 24.0 0.0 |
| 100              | PI2 BPSK   | 135     | 138       | 22.26                 | 22.37                    | 22.24                  | 23.5 0.5 |
| 100              | PI2 BPSK   | 270     | 0         | 22.32                 | 22.44                    | 22.35                  |          |
| 100              | QPSK       | 1       | 1         | 22.03                 | 22.11                    | 22.07                  |          |
| 100              | QPSK       | 1       | 137       | 23.16                 | 23.21                    | 22.98                  | 24.0 0.0 |
| 100              | QPSK       | 1       | 271       | 22.10                 | 22.14                    | 22.11                  |          |
| 100              | QPSK       | 135     | 0         | 21.83                 | 21.90                    | 21.85                  | 23.0 1.0 |
| 100              | QPSK       | 135     | 69        | 23.01                 | 23.12                    | 23.09                  | 24.0 0.0 |
| 100              | QPSK       | 135     | 138       | 21.74                 | 21.87                    | 21.74                  | 23.0 1.0 |
| 100              | QPSK       | 270     | 0         | 21.81                 | 21.99                    | 21.84                  |          |
| 100              | 16QAM      | 1       | 1         | 21.18                 | 21.23                    | 21.13                  | 23.0 1.0 |
| 100              | 64QAM      | 1       | 1         | 19.68                 | 19.74                    | 19.66                  | 21.5 2.5 |
| 100              | 256QAM     | 1       | 1         | 18.23                 | 18.31                    | 18.28                  | 19.5 4.5 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 90               | QPSK       | 1       | 1         | 23.05                 | 23.08                    | 22.93                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 80               | QPSK       | 1       | 1         | 23.08                 | 23.17                    | 22.89                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 60               | QPSK       | 1       | 1         | 23.05                 | 23.10                    | 22.93                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 50               | QPSK       | 1       | 1         | 23.11                 | 23.13                    | 22.94                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 40               | QPSK       | 1       | 1         | 23.01                 | 23.08                    | 22.86                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 30               | QPSK       | 1       | 1         | 23.04                 | 23.06                    | 22.85                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 20               | QPSK       | 1       | 1         | 23.02                 | 23.09                    | 22.84                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 15               | QPSK       | 1       | 1         | 23.09                 | 23.18                    | 22.84                  | 24.0 0.0 |
| Channel          |            |         |           |                       |                          |                        |          |
| Frequency (MHz)  |            |         |           |                       |                          |                        |          |
| 10               | QPSK       | 1       | 1         | 23.12                 | 23.15                    | 22.86                  | 24.0 0.0 |

| Part270 n77 Ant2 Default |            |         |           |                       |                          |                        |          |
|--------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW (MHz)                 | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 100                      | PI2 BPSK   | 1       | 1         | 23.14                 | 23.55                    | 24.02                  |          |
| 100                      | PI2 BPSK   | 1       | 137       | 24.26                 | 24.76                    | 24.70                  | 0.0      |
| 100                      | PI2 BPSK   | 1       | 271       | 23.16                 | 23.60                    | 23.79                  |          |
| 100                      | PI2 BPSK   | 135     | 0         | 23.85                 | 24.03                    | 23.95                  | 24.5 0.5 |
| 100                      | PI2 BPSK   | 135     | 69        | 24.23                 | 24.63                    | 24.59                  | 25.0 0.0 |
| 100                      | PI2 BPSK   | 135     | 138       | 23.87                 | 24.30                    | 24.24                  | 24.5 0.5 |
| 100                      | PI2 BPSK   | 270     | 0         | 23.79                 | 24.30                    | 24.23                  |          |
| 100                      | QPSK       | 1       | 1         | 23.20                 | 23.55                    | 24.08                  |          |
| 100                      | QPSK       | 1       | 137       | 24.31                 | 24.75                    | 24.72                  | 25.0 0.0 |
| 100                      | QPSK       | 1       | 271       | 23.13                 | 23.56                    | 23.81                  |          |
| 100                      | QPSK       | 135     | 0         | 23.14                 | 23.62                    | 23.58                  | 24.0 1.0 |
| 100                      | QPSK       | 135     | 69        | 24.30                 | 24.64                    | 24.61                  | 25.0 0.0 |
| 100                      | QPSK       | 135     | 138       | 23.26                 | 23.69                    | 23.56                  | 24.0 1.0 |
| 100                      | QPSK       | 270     | 0         | 23.28                 | 23.78                    | 23.73                  |          |
| 100                      | 16QAM      | 1       | 1         | 22.54                 | 22.85                    | 22.84                  | 24.0 1.0 |
| 100                      | 64QAM      | 1       | 1         | 21.09                 | 21.59                    | 21.51                  | 22.5 2.5 |
| 100                      | 256QAM     | 1       | 1         | 19.58                 | 19.98                    | 19.87                  | 20.5 4.5 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 90                       | QPSK       | 1       | 1         | 24.21                 | 24.75                    | 24.59                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 80                       | QPSK       | 1       | 1         | 24.25                 | 24.67                    | 24.67                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 60                       | QPSK       | 1       | 1         | 24.28                 | 24.64                    | 24.65                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 50                       | QPSK       | 1       | 1         | 24.21                 | 24.69                    | 24.59                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 40                       | QPSK       | 1       | 1         | 24.21                 | 24.74                    | 24.58                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 20                       | QPSK       | 1       | 1         | 24.23                 | 24.71                    | 24.67                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 15                       | QPSK       | 1       | 1         | 24.22                 | 24.66                    | 24.68                  | 25.0 0.0 |
| Channel                  |            |         |           |                       |                          |                        |          |
| Frequency (MHz)          |            |         |           |                       |                          |                        |          |
| 10                       | QPSK       | 1       | 1         | 24.18                 | 24.69                    | 24.60                  | 25.0 0.0 |





### Part27Q n77 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 3500.01               |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 24.44                 | 23.29                    |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 23.29                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 23.09                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 24.34                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 24.02                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 23.98                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 23.23                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.50                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.22                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.37                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.40                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.44                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.48                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 22.86                 |                          |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.69                 |                          |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 19.84                 |                          |                        | 21.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 3495                  | 63300                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 3496.02               | 63334                    | 63400                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 3492.02               | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 3475.02               | 63334                    | 63500                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 3437                  | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 3460.02               | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 3457.5                | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 3455.01               | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |

### PC3 Part27O n78 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 3750                  |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 23.10                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 23.05                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 23.81                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 23.73                 |                          |                        | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 23.79                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.50                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.33                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 23.89                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.57                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.64                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 22.41                 |                          |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.95                 |                          |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.37                 |                          |                        | 21.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 64868                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 64934                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 64800                 | 65000                    | 65060                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 64734                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 64700                 | 65000                    | 65060                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 64716                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 64700                 | 65000                    | 65000                  | Tune-up limit (dBm) | MPR (dB) |

### PC2 Part27O n78 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 3750                  |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 25.18                 |                          |                        | 27.0                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 25.31                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 25.35                 |                          |                        | 27.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 25.95                 |                          |                        | 27.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 25.33                 |                          |                        | 27.0                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 25.47                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 25.22                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 25.87                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 25.33                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 25.35                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 25.93                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 25.55                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 25.55                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 24.32                 |                          |                        | 26.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 22.86                 |                          |                        | 24.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 20.52                 |                          |                        | 22.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 64868                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 64934                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 64800                 | 65000                    | 65060                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 64734                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 64700                 | 65000                    | 65060                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 64716                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 64700                 | 65000                    | 65000                  | Tune-up limit (dBm) | MPR (dB) |



| PC3 Part27Q n78 Ant2 Default |            |         |           |                       |                          |                        |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3500.01               |                          |                        |          |
| 100                          | PI2 BPSK   | 1       | 1         | 23.10                 |                          |                        |          |
| 100                          | PI2 BPSK   | 1       | 137       | 23.80                 |                          |                        | 25.0     |
| 100                          | PI2 BPSK   | 1       | 271       | 23.10                 |                          |                        | 25.0     |
| 100                          | PI2 BPSK   | 135     | 0         | 23.28                 |                          |                        | 25.0     |
| 100                          | PI2 BPSK   | 135     | 69        | 23.89                 |                          |                        | 25.0     |
| 100                          | PI2 BPSK   | 135     | 138       | 23.24                 |                          |                        | 25.0     |
| 100                          | PI2 BPSK   | 270     | 0         | 23.28                 |                          |                        | 25.0     |
| 100                          | QPSK       | 1       | 1         | 23.10                 |                          |                        | 25.0     |
| 100                          | QPSK       | 1       | 137       | 23.80                 |                          |                        | 25.0     |
| 100                          | QPSK       | 1       | 271       | 23.10                 |                          |                        | 25.0     |
| 100                          | QPSK       | 135     | 0         | 23.10                 |                          |                        | 25.0     |
| 100                          | QPSK       | 135     | 69        | 23.79                 |                          |                        | 25.0     |
| 100                          | QPSK       | 135     | 138       | 23.88                 |                          |                        | 25.0     |
| 100                          | QPSK       | 270     | 0         | 23.71                 |                          |                        | 25.0     |
| 100                          | 16QAM      | 1       | 1         | 22.83                 |                          |                        | 24.0     |
| 100                          | 64QAM      | 1       | 1         | 21.84                 |                          |                        | 23.5     |
| 100                          | 256QAM     | 1       | 1         | 20.19                 |                          |                        | 21.5     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3495                  | 3500.01                  | 3505.02                |          |
| 90                           | QPSK       | 1       | 1         | 23.70                 | 23.74                    | 23.78                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3490.02               | 3500.01                  | 3510                   |          |
| 80                           | QPSK       | 1       | 1         | 23.71                 | 23.77                    | 23.80                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 632000                | 633334                   | 634668                 |          |
| 60                           | QPSK       | 1       | 1         | 23.78                 | 23.78                    | 23.70                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 631668                | 633334                   | 635000                 |          |
| 50                           | QPSK       | 1       | 1         | 23.70                 | 23.78                    | 23.79                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3470.01               | 3500.01                  | 3530.01                |          |
| 40                           | QPSK       | 1       | 1         | 23.81                 | 23.73                    | 23.78                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 630668                | 633334                   | 636000                 |          |
| 20                           | QPSK       | 1       | 1         | 23.80                 | 23.79                    | 23.80                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 631334                | 633334                   | 635334                 |          |
| 15                           | QPSK       | 1       | 1         | 23.75                 | 23.76                    | 23.74                  | 25.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 630334                | 633334                   | 638334                 |          |
| 10                           | QPSK       | 1       | 1         | 23.70                 | 23.74                    | 23.70                  | 25.0     |

| PC2 Part27Q n78 Ant2 Default |            |         |           |                       |                          |                        |          |
|------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|----------|
| BW [MHz]                     | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | MPR (dB) |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3500.01               |                          |                        |          |
| 100                          | PI2 BPSK   | 1       | 1         | 25.12                 |                          |                        |          |
| 100                          | PI2 BPSK   | 1       | 137       | 25.72                 |                          |                        | 27.0     |
| 100                          | PI2 BPSK   | 1       | 271       | 25.20                 |                          |                        | 27.0     |
| 100                          | PI2 BPSK   | 135     | 0         | 25.33                 |                          |                        | 27.0     |
| 100                          | PI2 BPSK   | 135     | 69        | 25.70                 |                          |                        | 27.0     |
| 100                          | PI2 BPSK   | 135     | 138       | 25.10                 |                          |                        | 27.0     |
| 100                          | PI2 BPSK   | 270     | 0         | 25.10                 |                          |                        | 27.0     |
| 100                          | QPSK       | 1       | 1         | 25.01                 |                          |                        | 27.0     |
| 100                          | QPSK       | 1       | 137       | 25.75                 |                          |                        | 27.0     |
| 100                          | QPSK       | 1       | 271       | 25.27                 |                          |                        | 27.0     |
| 100                          | QPSK       | 135     | 0         | 25.36                 |                          |                        | 27.0     |
| 100                          | QPSK       | 135     | 69        | 25.71                 |                          |                        | 27.0     |
| 100                          | QPSK       | 135     | 138       | 25.26                 |                          |                        | 27.0     |
| 100                          | QPSK       | 270     | 0         | 25.31                 |                          |                        | 26.0     |
| 100                          | 16QAM      | 1       | 1         | 24.93                 |                          |                        | 24.5     |
| 100                          | 64QAM      | 1       | 1         | 22.58                 |                          |                        | 22.5     |
| 100                          | 256QAM     | 1       | 1         | 21.03                 |                          |                        | 22.5     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3495                  | 3500.01                  | 3505.02                |          |
| 90                           | QPSK       | 1       | 1         | 25.08                 | 25.03                    | 25.09                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3490.02               | 3500.01                  | 3510                   |          |
| 80                           | QPSK       | 1       | 1         | 25.14                 | 25.10                    | 25.15                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 632000                | 633334                   | 634668                 |          |
| 60                           | QPSK       | 1       | 1         | 25.08                 | 25.14                    | 25.05                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 631668                | 633334                   | 635000                 |          |
| 50                           | QPSK       | 1       | 1         | 25.07                 | 25.07                    | 25.07                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 3470.01               | 3500.01                  | 3530.01                |          |
| 40                           | QPSK       | 1       | 1         | 25.09                 | 25.03                    | 25.12                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 630668                | 633334                   | 636000                 |          |
| 20                           | QPSK       | 1       | 1         | 25.11                 | 25.05                    | 25.08                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 631334                | 633334                   | 635334                 |          |
| 15                           | QPSK       | 1       | 1         | 25.10                 | 25.14                    | 25.09                  | 27.0     |
| Channel                      |            |         |           |                       |                          |                        |          |
| Frequency (MHz)              |            |         |           | 630334                | 633334                   | 638334                 |          |
| 10                           | QPSK       | 1       | 1         | 25.07                 | 25.08                    | 25.08                  | 27.0     |



### Part270 n77 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 65000                 | 65000                    | 65000                  |                     |          |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 23.36                 | 23.22                    | 23.29                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 24.13                 | 24.09                    | 24.04                  | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 23.01                 | 23.07                    | 23.03                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 23.40                 | 23.58                    | 23.45                  | 24.0                | 0.5      |
| 100             | Pi/2 BPSK  | 135     | 69        | 23.91                 | 24.02                    | 23.98                  | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 23.34                 | 23.44                    | 23.28                  |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 23.42                 | 23.41                    | 23.37                  | 24.0                | 0.5      |
| 100             | QPSK       | 1       | 1         | 23.35                 | 23.37                    | 23.20                  |                     |          |
| 100             | QPSK       | 1       | 137       | 24.21                 | 24.28                    | 24.20                  | 24.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.02                 | 23.10                    | 23.14                  |                     |          |
| 100             | QPSK       | 135     | 0         | 23.11                 | 22.89                    | 22.97                  | 23.5                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.84                 | 24.26                    | 24.10                  | 24.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 22.77                 | 22.81                    | 22.81                  |                     |          |
| 100             | QPSK       | 270     | 0         | 22.81                 | 22.95                    | 22.80                  | 23.5                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 22.14                 | 22.06                    | 22.01                  | 23.5                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 20.51                 | 20.55                    | 20.51                  | 22.0                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.21                 | 19.29                    | 19.16                  | 20.0                | 4.5      |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3935.01                | (dB)                | (dB)     |
| 90              | QPSK       | 1       | 1         | 24.17                 | 24.14                    | 24.16                  | 24.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3940.02                | (dB)                | (dB)     |
| 80              | QPSK       | 1       | 1         | 24.11                 | 24.13                    | 24.13                  | 24.5                | 0.0      |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3950.01                | (dB)                | (dB)     |
| 60              | QPSK       | 1       | 1         | 24.17                 | 24.17                    | 24.15                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3955.02                | (dB)                | (dB)     |
| 50              | QPSK       | 1       | 1         | 24.09                 | 24.22                    | 24.16                  | 24.5                | 0.0      |
| Channel         |            |         |           | 649000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   | (dB)                | (dB)     |
| 40              | QPSK       | 1       | 1         | 24.10                 | 24.20                    | 24.13                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3970.02                | (dB)                | (dB)     |
| 20              | QPSK       | 1       | 1         | 24.17                 | 24.15                    | 24.16                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647168                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.51                | (dB)                | (dB)     |
| 15              | QPSK       | 1       | 1         | 24.17                 | 24.13                    | 24.12                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   | (dB)                | (dB)     |
| 10              | QPSK       | 1       | 1         | 24.15                 | 24.24                    | 24.06                  | 24.5                | 0.0      |

### Part27Q n77 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 633000                | 633334                   | 633668                 |                     |          |
| Frequency (MHz) |            |         |           | 3900.01               | 3900.01                  | 3900.01                |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 23.36                 | 23.10                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 24.13                 | 23.70                    |                        | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 23.01                 | 23.03                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 23.40                 | 23.26                    |                        | 24.0                | 0.5      |
| 100             | Pi/2 BPSK  | 135     | 69        | 23.91                 | 23.70                    |                        | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 23.34                 | 23.31                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 23.42                 | 23.39                    |                        | 24.0                | 0.5      |
| 100             | QPSK       | 1       | 1         | 23.35                 | 23.23                    |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.21                 | 23.76                    |                        | 24.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.02                 | 23.19                    |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.11                 | 22.43                    |                        | 23.5                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.84                 | 23.78                    |                        | 24.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 22.77                 | 22.61                    |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 22.81                 | 22.69                    |                        | 23.5                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 22.14                 | 22.96                    |                        | 23.5                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 20.51                 | 21.48                    |                        | 22.0                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.21                 | 19.44                    |                        | 20.0                | 4.5      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90              | QPSK       | 1       | 1         | 23.83                 | 23.69                    | 23.81                  | 24.5                | 0.0      |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80              | QPSK       | 1       | 1         | 23.88                 | 23.72                    | 23.86                  | 24.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60              | QPSK       | 1       | 1         | 23.82                 | 23.65                    | 23.84                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50              | QPSK       | 1       | 1         | 23.83                 | 23.82                    | 23.86                  | 24.5                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 23.89                 | 23.66                    | 23.70                  | 24.5                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 23.82                 | 23.69                    | 23.69                  | 24.5                | 0.0      |
| Channel         |            |         |           | 630000                | 633334                   | 636668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3457.52               | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 23.89                 | 23.65                    | 23.65                  | 24.5                | 0.0      |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 23.81                 | 23.63                    | 23.68                  | 24.5                | 0.0      |

### PC3 Part270 n78 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 650000                | 650000                   | 650000                 |                     |          |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 23.12                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 23.89                 |                          |                        | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 23.09                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 23.20                 |                          |                        | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 23.83                 |                          |                        | 24.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 23.46                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 23.51                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.92                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.14                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.23                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 23.32                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.06                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 23.08                 |                          |                        | 24.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 23.13                 |                          |                        | 24.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.84                 |                          |                        | 23.5                | 1.0      |
| 100             | 256QAM     | 1       | 1         | 21.77                 |                          |                        | 23.0                | 1.5      |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                | (dBm)               | (dB)     |
| 90              | QPSK       | 1       | 1         | 23.83                 | 23.88                    | 23.78                  | 24.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                | (dBm)               | (dB)     |
| 80              | QPSK       | 1       | 1         | 23.83                 | 23.79                    | 23.77                  | 24.5                | 0.0      |
| Channel         |            |         |           | 649668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                | (dBm)               | (dB)     |
| 60              | QPSK       | 1       | 1         | 23.81                 | 23.83                    | 23.83                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                | (dBm)               | (dB)     |
| 50              | QPSK       | 1       | 1         | 23.86                 | 23.88                    | 23.80                  | 24.5                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 23.80                 | 23.87                    | 23.78                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 23.87                 | 23.84                    | 23.84                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647168                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 23.86                 | 23.85                    | 23.83                  | 24.5                | 0.0      |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 23.79                 | 23.81                    | 23.85                  | 24.5                | 0.0      |



### PC2 Part270 n78 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 24.51                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 25.21                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 24.64                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 25.25                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 25.25                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 25.16                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 25.24                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 24.52                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 25.35                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.74                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 25.21                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 25.31                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 25.12                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 25.17                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 24.71                 |                          |                        | 26.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 23.54                 |                          |                        | 25.0                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.79                 |                          |                        | 22.0                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 25.31                 | 25.21                    | 25.22                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 23.23                 | 26.32                    | 25.20                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 25.21                 | 25.31                    | 25.28                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 25.24                 | 25.29                    | 25.31                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 25.31                 | 25.23                    | 25.27                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 25.30                 | 25.27                    | 25.20                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 25.30                 | 25.30                    | 25.23                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 25.31                 | 25.26                    | 25.21                  | 26.5                | 0.0      |

### PC3 Part27Q n78 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 23.08                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 23.57                 |                          |                        | 24.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 23.12                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 23.52                 |                          |                        | 24.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 23.60                 |                          |                        | 24.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 23.45                 |                          |                        | 24.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 23.53                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 23.14                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.68                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.46                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 23.55                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.37                 |                          |                        | 24.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.34                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 23.10                 |                          |                        | 24.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 23.10                 |                          |                        | 24.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 22.34                 |                          |                        | 23.0                | 1.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 23.60                 | 23.64                    | 23.61                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 23.62                 | 23.63                    | 23.54                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 23.61                 | 23.54                    | 23.59                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 23.57                 | 23.61                    | 23.57                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 23.61                 | 23.57                    | 23.57                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 23.55                 | 23.55                    | 23.50                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 23.61                 | 23.64                    | 23.62                  | 24.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 23.61                 | 23.54                    | 23.59                  | 24.5                | 0.0      |

### PC2 Part27Q n78 Ant4 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 24.53                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 25.29                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 24.79                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 25.32                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 25.39                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 25.24                 |                          |                        | 26.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 25.29                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 24.52                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 25.50                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.90                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 25.36                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 25.43                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 25.21                 |                          |                        | 26.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 25.26                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 24.52                 |                          |                        | 26.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 23.97                 |                          |                        | 25.0                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 21.25                 |                          |                        | 22.0                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 25.38                 | 25.44                    | 25.41                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 25.38                 | 25.46                    | 25.41                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 25.40                 | 25.37                    | 25.46                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 25.37                 | 25.36                    | 25.42                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 25.41                 | 25.43                    | 25.43                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 25.43                 | 25.44                    | 25.38                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 25.37                 | 25.42                    | 25.42                  | 26.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 25.36                 | 25.39                    | 25.40                  | 26.5                | 0.0      |



### Part270 n77 Ant6 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 22.12                 | 22.04                    | 22.14                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 22.82                 | 22.97                    | 22.85                  | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 22.12                 | 22.18                    | 22.08                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 22.29                 | 22.43                    | 22.30                  | 23.5                | 0.5      |
| 100             | Pi/2 BPSK  | 135     | 69        | 22.98                 | 23.06                    | 22.95                  | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 22.28                 | 22.41                    | 22.35                  |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 22.36                 | 22.47                    | 22.40                  | 23.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.18                 | 22.23                    | 22.10                  |                     |          |
| 100             | QPSK       | 1       | 137       | 23.06                 | 23.18                    | 23.01                  | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.05                 | 22.16                    | 22.02                  |                     |          |
| 100             | QPSK       | 135     | 0         | 21.75                 | 21.89                    | 21.78                  | 23.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.04                 | 23.12                    | 22.98                  | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.84                 | 21.92                    | 21.82                  |                     |          |
| 100             | QPSK       | 270     | 0         | 21.85                 | 21.98                    | 21.88                  | 23.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.12                 | 21.10                    | 21.12                  | 23.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.54                 | 19.52                    | 19.53                  | 21.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 18.31                 | 18.37                    | 18.25                  | 19.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 22.95                 | 23.10                    | 22.96                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 22.95                 | 23.04                    | 22.95                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 22.95                 | 23.13                    | 22.95                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 22.93                 | 23.06                    | 22.91                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 22.91                 | 23.08                    | 22.90                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 22.93                 | 23.14                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 23.00                 | 23.13                    | 22.87                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 23.00                 | 23.05                    | 22.88                  | 24.0                | 0.0      |

### Part27Q n77 Ant6 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         |                       | 3500.01                  |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 22.09                 | 23.13                    |                        | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 22.24                 | 22.24                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 22.44                 | 23.16                    | 22.44                  | 23.5                | 0.5      |
| 100             | Pi/2 BPSK  | 135     | 69        | 22.41                 | 23.16                    | 22.41                  | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 22.41                 | 22.41                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 22.54                 | 22.54                    |                        | 23.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.13                 | 22.13                    |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.24                 | 23.24                    |                        | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.20                 | 22.20                    |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.91                 | 21.91                    | 21.91                  | 23.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.17                 | 23.17                    | 23.17                  | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.89                 | 21.89                    | 21.89                  | 23.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 21.92                 | 21.92                    | 21.92                  | 23.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.12                 | 21.12                    | 21.12                  | 23.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.53                 | 19.53                    | 19.53                  | 21.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 18.32                 | 18.32                    | 18.32                  | 19.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 23.14                 | 23.16                    | 23.12                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 23.16                 | 23.13                    | 23.16                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 23.18                 | 23.10                    | 23.17                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 23.17                 | 23.16                    | 23.20                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 23.15                 | 23.12                    | 23.18                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 23.19                 | 23.18                    | 23.17                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 23.21                 | 23.20                    | 23.16                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 23.17                 | 23.14                    | 23.20                  | 24.0                | 0.0      |

### PC3 Part270 n78 Ant6 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         |                       | 3750                     |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 22.12                 | 22.65                    |                        | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 22.15                 | 22.15                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 22.54                 | 22.54                    | 22.54                  | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 22.78                 | 22.78                    | 22.78                  | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 22.40                 | 22.40                    | 22.40                  | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 270     | 0         | 22.43                 | 22.43                    | 22.43                  | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 22.13                 | 22.13                    |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 22.79                 | 22.79                    |                        | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.14                 | 22.14                    |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 22.46                 | 22.46                    | 22.46                  | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.71                 | 22.71                    | 22.71                  | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 22.46                 | 22.46                    | 22.46                  | 24.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 22.45                 | 22.45                    | 22.45                  | 24.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.10                 | 22.10                    | 22.10                  | 24.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.01                 | 22.01                    | 22.01                  | 24.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.50                 | 20.50                    | 20.50                  | 22.5                | 1.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 22.72                 | 22.72                    | 22.69                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 22.70                 | 22.75                    | 22.75                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 22.67                 | 22.73                    | 22.75                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 22.74                 | 22.71                    | 22.72                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 22.74                 | 22.65                    | 22.69                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 22.65                 | 22.74                    | 22.68                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 22.69                 | 22.64                    | 22.75                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 22.67                 | 22.73                    | 22.65                  | 24.0                | 0.0      |



**PC2 Part270 n78 Ant6 Default**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| Channel         |            |         |           | 650000                |                          |                        |                     |          |     |
| Frequency (MHz) |            |         |           | 3750                  |                          |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 25.13                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 25.50                    |                        | 27.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 25.10                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 25.28                    |                        | 26.5                | 0.5      |     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 25.59                    |                        | 27.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 25.19                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 25.13                    |                        | 26.5                | 0.5      |     |
| 100             | QPSK       | 1       | 1         |                       | 25.06                    |                        |                     |          |     |
| 100             | QPSK       | 1       | 137       |                       | 25.61                    |                        | 27.0                | 0.0      |     |
| 100             | QPSK       | 1       | 271       |                       | 25.12                    |                        |                     |          |     |
| 100             | QPSK       | 135     | 0         |                       | 24.72                    |                        | 26.0                | 1.0      |     |
| 100             | QPSK       | 135     | 69        |                       | 25.54                    |                        | 27.0                | 0.0      |     |
| 100             | QPSK       | 135     | 138       |                       | 24.65                    |                        | 26.0                | 1.0      |     |
| 100             | QPSK       | 270     | 0         |                       | 24.66                    |                        |                     |          |     |
| 100             | 16QAM      | 1       | 1         |                       | 24.10                    |                        | 26.0                | 1.0      |     |
| 100             | 64QAM      | 1       | 1         |                       | 22.54                    |                        | 24.5                | 2.5      |     |
| 100             | 256QAM     | 1       | 1         |                       | 20.51                    |                        | 22.5                | 4.5      |     |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |     |
| 90              | QPSK       | 1       | 1         |                       | 25.51                    | 25.57                  | 25.55               | 27.0     | 0.0 |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |     |
| 80              | QPSK       | 1       | 1         |                       | 23.54                    | 25.56                  | 23.51               | 27.0     | 0.0 |
| Channel         |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |     |
| 60              | QPSK       | 1       | 1         |                       | 25.53                    | 25.51                  | 25.51               | 27.0     | 0.0 |
| Channel         |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |     |
| 50              | QPSK       | 1       | 1         |                       | 23.51                    | 25.56                  | 23.52               | 27.0     | 0.0 |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3720.02               | 3750                     | 3780                   |                     |          |     |
| 40              | QPSK       | 1       | 1         |                       | 25.54                    | 25.53                  | 25.53               | 27.0     | 0.0 |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |     |
| 20              | QPSK       | 1       | 1         |                       | 23.51                    | 25.51                  | 23.48               | 27.0     | 0.0 |
| Channel         |            |         |           | 647168                | 650000                   | 653834                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |     |
| 15              | QPSK       | 1       | 1         |                       | 25.49                    | 25.49                  | 25.50               | 27.0     | 0.0 |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |     |
| 10              | QPSK       | 1       | 1         |                       | 25.55                    | 25.48                  | 25.51               | 27.0     | 0.0 |

**PC3 Part270 n78 Ant6 Default**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| Channel         |            |         |           | 633334                |                          |                        |                     |          |     |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 22.12                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 22.72                    |                        | 24.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 22.10                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 22.53                    |                        | 24.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 22.78                    |                        | 24.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 22.59                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 22.71                    |                        | 24.0                | 0.0      |     |
| 100             | QPSK       | 1       | 1         |                       | 22.10                    |                        |                     |          |     |
| 100             | QPSK       | 1       | 137       |                       | 22.82                    |                        | 24.0                | 0.0      |     |
| 100             | QPSK       | 1       | 271       |                       | 22.17                    |                        |                     |          |     |
| 100             | QPSK       | 135     | 0         |                       | 22.59                    |                        | 24.0                | 0.0      |     |
| 100             | QPSK       | 135     | 69        |                       | 22.75                    |                        | 24.0                | 0.0      |     |
| 100             | QPSK       | 135     | 138       |                       | 22.51                    |                        | 24.0                | 0.0      |     |
| 100             | QPSK       | 270     | 0         |                       | 22.67                    |                        |                     |          |     |
| 100             | 16QAM      | 1       | 1         |                       | 22.10                    |                        | 24.0                | 0.0      |     |
| 100             | 64QAM      | 1       | 1         |                       | 22.13                    |                        | 24.0                | 0.0      |     |
| 100             | 256QAM     | 1       | 1         |                       | 20.61                    |                        | 22.5                | 1.5      |     |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90              | QPSK       | 1       | 1         |                       | 22.71                    | 22.74                  | 22.73               | 24.0     | 0.0 |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80              | QPSK       | 1       | 1         |                       | 22.68                    | 22.70                  | 22.78               | 24.0     | 0.0 |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60              | QPSK       | 1       | 1         |                       | 22.76                    | 22.69                  | 22.74               | 24.0     | 0.0 |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50              | QPSK       | 1       | 1         |                       | 22.75                    | 22.79                  | 22.69               | 24.0     | 0.0 |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40              | QPSK       | 1       | 1         |                       | 22.77                    | 22.77                  | 22.68               | 24.0     | 0.0 |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20              | QPSK       | 1       | 1         |                       | 22.77                    | 22.76                  | 22.77               | 24.0     | 0.0 |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15              | QPSK       | 1       | 1         |                       | 22.75                    | 22.67                  | 22.73               | 24.0     | 0.0 |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10              | QPSK       | 1       | 1         |                       | 22.72                    | 22.73                  | 22.74               | 24.0     | 0.0 |

**PC2 Part27Q n78 Ant6 Default**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |     |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|-----|
| Channel         |            |         |           | 633334                |                          |                        |                     |          |     |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 25.01                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 25.42                    |                        | 27.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 25.26                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 25.31                    |                        | 26.5                | 0.5      |     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 25.33                    |                        | 27.0                | 0.0      |     |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 25.21                    |                        |                     |          |     |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 25.33                    |                        | 26.5                | 0.5      |     |
| 100             | QPSK       | 1       | 1         |                       | 25.12                    |                        |                     |          |     |
| 100             | QPSK       | 1       | 137       |                       | 25.64                    |                        | 27.0                | 0.0      |     |
| 100             | QPSK       | 1       | 271       |                       | 25.35                    |                        |                     |          |     |
| 100             | QPSK       | 135     | 0         |                       | 25.01                    |                        | 26.0                | 1.0      |     |
| 100             | QPSK       | 135     | 69        |                       | 25.54                    |                        | 27.0                | 0.0      |     |
| 100             | QPSK       | 135     | 138       |                       | 25.23                    |                        | 26.0                | 1.0      |     |
| 100             | QPSK       | 270     | 0         |                       | 25.31                    |                        |                     |          |     |
| 100             | 16QAM      | 1       | 1         |                       | 25.12                    |                        | 26.0                | 1.0      |     |
| 100             | 64QAM      | 1       | 1         |                       | 22.52                    |                        | 24.5                | 2.5      |     |
| 100             | 256QAM     | 1       | 1         |                       | 20.51                    |                        | 22.5                | 4.5      |     |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |     |
| 90              | QPSK       | 1       | 1         |                       | 25.39                    | 25.40                  | 25.33               | 27.0     | 0.0 |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   |                     |          |     |
| 80              | QPSK       | 1       | 1         |                       | 25.33                    | 25.31                  | 25.35               | 27.0     | 0.0 |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |     |
| 60              | QPSK       | 1       | 1         |                       | 25.34                    | 25.38                  | 25.30               | 27.0     | 0.0 |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   |                     |          |     |
| 50              | QPSK       | 1       | 1         |                       | 25.31                    | 25.35                  | 25.34               | 27.0     | 0.0 |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |     |
| 40              | QPSK       | 1       | 1         |                       | 25.37                    | 25.39                  | 25.41               | 27.0     | 0.0 |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |     |
| 20              | QPSK       | 1       | 1         |                       | 25.39                    | 25.34                  | 25.35               | 27.0     | 0.0 |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                |                     |          |     |
| 15              | QPSK       | 1       | 1         |                       | 25.29                    | 25.38                  | 25.36               | 27.0     | 0.0 |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |     |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |     |
| 10              | QPSK       | 1       | 1         |                       | 25.33                    | 25.30                  | 25.31               | 27.0     | 0.0 |



| n2 Ant7 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.72                 | 20.75                    | 20.62                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 20.63                 | 20.71                    | 20.64                  | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 20.55                 | 20.68                    | 20.58                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 20.03                 | 20.18                    | 20.07                  | 21.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 20.70                 | 20.73                    | 20.63                  | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 20.08                 | 20.20                    | 20.08                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.20                 | 20.27                    | 20.15                  | 21.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 20.76                 | 20.83                    | 20.71                  |                     |          |  |
| 20              | QPSK       | 1       | 26        | 20.69                 | 20.79                    | 20.73                  | 22.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 20.52                 | 20.58                    | 20.55                  |                     |          |  |
| 20              | QPSK       | 25      | 0         | 19.88                 | 19.71                    | 19.87                  | 21.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 20.88                 | 20.76                    | 20.73                  | 22.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 19.68                 | 19.68                    | 19.57                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.61                 | 19.72                    | 19.59                  | 21.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 19.41                 | 19.48                    | 19.41                  | 21.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.08                 | 18.14                    | 18.03                  | 19.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 16.61                 | 16.68                    | 16.54                  | 17.5                | 4.5      |  |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |          |  |
| 15              | QPSK       | 1       | 1         | 20.65                 | 20.80                    | 20.57                  | 22.0                | 0.0      |  |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |          |  |
| 10              | QPSK       | 1       | 1         | 20.68                 | 20.71                    | 20.63                  | 22.0                | 0.0      |  |

| n5 Ant7 Default |            |         |           |                       |                          |                        |                     |          |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |  |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 21.68                 | 21.73                    | 21.70                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 21.52                 | 21.57                    | 21.45                  | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 21.46                 | 21.54                    | 21.48                  |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 21.14                 | 21.23                    | 21.19                  | 22.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 21.86                 | 21.69                    | 21.64                  | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 21.09                 | 21.24                    | 21.15                  |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 21.15                 | 21.29                    | 21.15                  | 22.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 21.71                 | 21.76                    | 21.63                  |                     |          |  |
| 20              | QPSK       | 1       | 26        | 21.60                 | 21.65                    | 21.57                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 21.44                 | 21.50                    | 21.43                  |                     |          |  |
| 20              | QPSK       | 25      | 0         | 20.60                 | 20.75                    | 20.65                  | 22.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 21.60                 | 21.70                    | 21.62                  | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 20.54                 | 20.66                    | 20.58                  |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.69                 | 20.73                    | 20.62                  | 22.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 20.29                 | 20.41                    | 20.38                  | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.78                 | 18.82                    | 18.89                  | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 17.40                 | 17.52                    | 17.46                  | 18.5                | 4.5      |  |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 21.62                 | 21.71                    | 21.53                  | 23.0                | 0.0      |  |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 21.66                 | 21.69                    | 21.49                  | 23.0                | 0.0      |  |



### Part270 n77 Ant11 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 65000                 | 65000                    | 66000                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 23.21                 | 23.28                    | 23.08                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 24.31                 | 24.42                    | 24.38                  | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 23.67                 | 23.79                    | 23.72                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 23.39                 | 23.47                    | 23.48                  | 24.5                | 0.5      |
| 100             | Pi/2 BPSK  | 135     | 69        | 24.37                 | 24.41                    | 24.28                  | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 23.87                 | 23.97                    | 23.84                  | 24.5                | 0.5      |
| 100             | Pi/2 BPSK  | 270     | 0         | 23.62                 | 23.69                    | 23.63                  |                     |          |
| 100             | QPSK       | 1       | 1         | 23.28                 | 23.33                    | 23.13                  |                     |          |
| 100             | QPSK       | 1       | 137       | 24.41                 | 24.45                    | 24.36                  | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.68                 | 23.75                    | 23.76                  |                     |          |
| 100             | QPSK       | 135     | 0         | 22.95                 | 23.05                    | 22.91                  | 24.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.38                 | 24.42                    | 24.25                  | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.36                 | 23.38                    | 23.27                  | 24.0                | 1.0      |
| 100             | QPSK       | 270     | 0         | 23.08                 | 23.16                    | 23.03                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 22.07                 | 22.13                    | 22.0                   | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 20.62                 | 20.70                    | 20.61                  | 22.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.01                 | 19.03                    | 18.97                  | 20.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 24.29                 | 24.41                    | 24.27                  | 25.0                | 0.0      |
| Frequency (MHz) |            |         |           | 64934                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 24.37                 | 24.40                    | 24.23                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 24.31                 | 24.39                    | 24.30                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64834                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 24.30                 | 24.40                    | 24.27                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 24.38                 | 24.37                    | 24.24                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64768                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| 30              | QPSK       | 1       | 1         | 24.28                 | 24.30                    | 24.24                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64768                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| 25              | QPSK       | 1       | 1         | 24.28                 | 24.34                    | 24.29                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64734                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 24.28                 | 24.31                    | 24.22                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64716                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 24.31                 | 24.42                    | 24.28                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64700                 | 65000                    | 65000                  | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 24.36                 | 24.34                    | 24.28                  | 25.0                | 0.0      |

### Part27Q n77 Ant11 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63334                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         |                       | 23.74                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       |                       | 24.71                    |                        | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       |                       | 24.29                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         |                       | 24.02                    |                        | 24.5                | 0.5      |
| 100             | Pi/2 BPSK  | 135     | 69        |                       | 24.73                    |                        | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       |                       | 24.42                    |                        | 24.5                | 0.5      |
| 100             | Pi/2 BPSK  | 270     | 0         |                       | 24.17                    |                        |                     |          |
| 100             | QPSK       | 1       | 1         |                       | 23.85                    |                        |                     |          |
| 100             | QPSK       | 1       | 137       |                       | 24.77                    |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       |                       | 24.30                    |                        |                     |          |
| 100             | QPSK       | 135     | 0         |                       | 23.83                    |                        | 24.0                | 1.0      |
| 100             | QPSK       | 135     | 69        |                       | 24.69                    |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       |                       | 23.59                    |                        | 24.0                | 1.0      |
| 100             | QPSK       | 270     | 0         |                       | 23.64                    |                        |                     |          |
| 100             | 16QAM      | 1       | 1         |                       | 22.73                    |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         |                       | 21.17                    |                        | 22.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         |                       | 19.52                    |                        | 20.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 24.66                 | 24.65                    | 24.72                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63268                 | 63334                    | 63400                  | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 24.68                 | 24.71                    | 24.72                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63200                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 24.66                 | 24.72                    | 24.62                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63168                 | 63334                    | 63500                  | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 24.83                 | 24.73                    | 24.72                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63070                 | 63501                    | 63501                  | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 24.73                 | 24.67                    | 24.62                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63068                 | 63334                    | 63000                  | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 24.69                 | 24.69                    | 24.73                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63050                 | 63334                    | 63169                  | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 24.63                 | 24.66                    | 24.64                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 63034                 | 63334                    | 63634                  | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 24.65                 | 24.62                    | 24.62                  | 25.0                | 0.0      |

### PC3 Part270 n78 Ant11 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 65000                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         |                       | 22.46                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       |                       | 23.71                    |                        | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       |                       | 22.75                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         |                       | 22.94                    |                        | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        |                       | 23.24                    |                        | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       |                       | 23.24                    |                        | 24.0                | 0.0      |
| 100             | Pi/2 BPSK  | 270     | 0         |                       | 23.08                    |                        |                     |          |
| 100             | QPSK       | 1       | 1         |                       | 22.53                    |                        |                     |          |
| 100             | QPSK       | 1       | 137       |                       | 23.35                    |                        | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       |                       | 22.72                    |                        |                     |          |
| 100             | QPSK       | 135     | 0         |                       | 22.88                    |                        | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 69        |                       | 23.30                    |                        | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       |                       | 23.24                    |                        | 24.0                | 0.0      |
| 100             | QPSK       | 270     | 0         |                       | 23.11                    |                        |                     |          |
| 100             | 16QAM      | 1       | 1         |                       | 22.12                    |                        | 24.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         |                       | 22.13                    |                        | 24.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         |                       | 20.83                    |                        | 22.5                | 1.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 23.23                 | 23.26                    | 23.30                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64934                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 23.32                 | 23.30                    | 23.32                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 23.25                 | 23.28                    | 23.22                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64834                 | 65000                    | 65168                  | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 23.21                 | 23.25                    | 23.24                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64800                 | 65000                    | 65200                  | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 23.20                 | 23.20                    | 23.22                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64734                 | 65000                    | 65268                  | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 23.32                 | 23.31                    | 23.31                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64716                 | 65000                    | 65234                  | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 23.25                 | 23.23                    | 23.26                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 64700                 | 65000                    | 65300                  | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 23.32                 | 23.28                    | 23.28                  | 24.0                | 0.0      |





| PC2 Part270 n78 Ant11 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                      | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                       |            |         |           | 650000                |                          |                        |                     |          |  |
| Frequency (MHz)               |            |         |           | 3750                  |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 1       | 1         | 25.12                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 1       | 137       | 26.09                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 1       | 271       | 25.58                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 135     | 0         | 25.48                 |                          |                        | 26.5                | 0.5      |  |
| 100                           | Pi/2 BPSK  | 135     | 69        | 26.12                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 135     | 138       | 25.76                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 270     | 0         | 25.59                 |                          |                        | 26.5                | 0.5      |  |
| 100                           | QPSK       | 1       | 1         | 25.10                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 1       | 137       | 26.16                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | QPSK       | 1       | 271       | 25.63                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 135     | 0         | 24.86                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | QPSK       | 135     | 69        | 26.09                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | QPSK       | 135     | 138       | 25.21                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | QPSK       | 270     | 0         | 25.09                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | 16QAM      | 1       | 1         | 24.13                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | 64QAM      | 1       | 1         | 22.51                 |                          |                        | 24.5                | 2.5      |  |
| 100                           | 256QAM     | 1       | 1         | 20.52                 |                          |                        | 22.5                | 4.5      |  |
| Channel                       |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3745.02               | 3750                     | 3755.01                | (dBm)               | (dB)     |  |
| 90                            | QPSK       | 1       | 1         | 26.09                 | 26.12                    | 26.06                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3740.01               | 3750                     | 3760.02                | (dBm)               | (dB)     |  |
| 80                            | QPSK       | 1       | 1         | 26.08                 | 26.09                    | 26.03                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 649668                | 650000                   | 651334                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3730.02               | 3750                     | 3770.01                | (dBm)               | (dB)     |  |
| 60                            | QPSK       | 1       | 1         | 26.11                 | 26.08                    | 26.04                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3725.01               | 3750                     | 3775.02                | (dBm)               | (dB)     |  |
| 50                            | QPSK       | 1       | 1         | 26.11                 | 26.10                    | 26.13                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3720                  | 3750                     | 3780                   | (dBm)               | (dB)     |  |
| 40                            | QPSK       | 1       | 1         | 26.11                 | 26.03                    | 26.08                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3710.01               | 3750                     | 3790.02                | (dBm)               | (dB)     |  |
| 20                            | QPSK       | 1       | 1         | 26.08                 | 26.09                    | 26.11                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3707.52               | 3750                     | 3792.51                | (dBm)               | (dB)     |  |
| 15                            | QPSK       | 1       | 1         | 26.05                 | 26.03                    | 26.06                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3705                  | 3750                     | 3795                   | (dBm)               | (dB)     |  |
| 10                            | QPSK       | 1       | 1         | 26.09                 | 26.05                    | 26.10                  | 27.0                | 0.0      |  |

| PC3 Part27Q n78 Ant11 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                      | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                       |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)               |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 1       | 1         | 22.33                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 1       | 137       | 22.38                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 1       | 271       | 22.33                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 135     | 0         | 22.53                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 135     | 69        | 22.51                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 135     | 138       | 22.33                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 270     | 0         | 22.35                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | QPSK       | 1       | 1         | 22.33                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 1       | 137       | 22.54                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | QPSK       | 1       | 271       | 22.33                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 135     | 0         | 22.38                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | QPSK       | 135     | 69        | 22.52                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | QPSK       | 135     | 138       | 22.35                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 270     | 0         | 22.33                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | 16QAM      | 1       | 1         | 22.35                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | 64QAM      | 1       | 1         | 22.35                 |                          |                        | 24.0                | 0.0      |  |
| 100                           | 256QAM     | 1       | 1         | 21.08                 |                          |                        | 22.5                | 1.5      |  |
| Channel                       |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |  |
| 90                            | QPSK       | 1       | 1         | 22.07                 | 22.13                    | 22.08                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |  |
| 80                            | QPSK       | 1       | 1         | 22.18                 | 22.16                    | 22.17                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |  |
| 60                            | QPSK       | 1       | 1         | 22.15                 | 22.08                    | 22.12                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |  |
| 50                            | QPSK       | 1       | 1         | 22.15                 | 22.09                    | 22.14                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 631334                | 633334                   | 635668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |  |
| 40                            | QPSK       | 1       | 1         | 22.15                 | 22.15                    | 22.18                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 630868                | 633334                   | 636000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |  |
| 20                            | QPSK       | 1       | 1         | 22.18                 | 22.18                    | 22.11                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 630500                | 633334                   | 636668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |  |
| 15                            | QPSK       | 1       | 1         | 22.15                 | 22.10                    | 22.15                  | 24.0                | 0.0      |  |
| Channel                       |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |  |
| 10                            | QPSK       | 1       | 1         | 22.14                 | 22.11                    | 22.07                  | 24.0                | 0.0      |  |

| PC2 Part27Q n78 Ant11 Default |            |         |           |                       |                          |                        |                     |          |  |
|-------------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW [MHz]                      | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                       |            |         |           | 633334                |                          |                        |                     |          |  |
| Frequency (MHz)               |            |         |           | 3500.01               |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 1       | 1         | 25.01                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 1       | 137       | 25.15                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 1       | 271       | 25.01                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 135     | 0         | 24.81                 |                          |                        | 26.5                | 0.5      |  |
| 100                           | Pi/2 BPSK  | 135     | 69        | 25.27                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | Pi/2 BPSK  | 135     | 138       | 24.54                 |                          |                        |                     |          |  |
| 100                           | Pi/2 BPSK  | 270     | 0         | 24.56                 |                          |                        | 26.5                | 0.5      |  |
| 100                           | QPSK       | 1       | 1         | 25.01                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 1       | 137       | 25.28                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | QPSK       | 1       | 271       | 25.02                 |                          |                        |                     |          |  |
| 100                           | QPSK       | 135     | 0         | 24.30                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | QPSK       | 135     | 69        | 25.22                 |                          |                        | 27.0                | 0.0      |  |
| 100                           | QPSK       | 135     | 138       | 24.01                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | QPSK       | 270     | 0         | 24.12                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | 16QAM      | 1       | 1         | 24.02                 |                          |                        | 26.0                | 1.0      |  |
| 100                           | 64QAM      | 1       | 1         | 22.51                 |                          |                        | 24.5                | 2.5      |  |
| 100                           | 256QAM     | 1       | 1         | 20.52                 |                          |                        | 22.5                | 4.5      |  |
| Channel                       |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |  |
| 90                            | QPSK       | 1       | 1         | 25.16                 | 25.23                    | 25.19                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |  |
| 80                            | QPSK       | 1       | 1         | 25.18                 | 25.13                    | 25.21                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |  |
| 60                            | QPSK       | 1       | 1         | 25.15                 | 25.14                    | 25.14                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |  |
| 50                            | QPSK       | 1       | 1         | 25.20                 | 25.17                    | 25.24                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 631334                | 633334                   | 635668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |  |
| 40                            | QPSK       | 1       | 1         | 25.15                 | 25.25                    | 25.18                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 630868                | 633334                   | 636000                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |  |
| 20                            | QPSK       | 1       | 1         | 25.15                 | 25.22                    | 25.24                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 630500                | 633334                   | 636668                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |  |
| 15                            | QPSK       | 1       | 1         | 25.15                 | 25.20                    | 25.24                  | 27.0                | 0.0      |  |
| Channel                       |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |  |
| Frequency (MHz)               |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |  |
| 10                            | QPSK       | 1       | 1         | 25.16                 | 25.18                    | 25.22                  | 27.0                | 0.0      |  |



Reduced Power for DSI 2 for 5G NR DFT-30 for Main PA

| n2 Ant1 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 1600            | 1600               | 1900             |                     |          |  |
| Frequency (MHz) |            |         |           |                 |                    |                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.78           | 22.82              | 22.70            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.59           | 22.73              | 22.65            | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.63           | 22.68              | 22.56            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.16           | 22.31              | 22.20            | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.77           | 22.81              | 22.73            | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.11           | 22.23              | 22.15            |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.20           | 22.29              | 22.24            | 23.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.83           | 22.88              | 22.78            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 22.73           | 22.76              | 22.64            | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.63           | 22.71              | 22.58            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 21.68           | 21.78              | 21.71            | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.14           | 22.35              | 22.78            | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 21.69           | 21.74              | 21.62            |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.74           | 21.81              | 21.75            | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.43           | 21.51              | 21.44            | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.12           | 20.16              | 20.08            | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63           | 18.70              | 18.57            | 19.5                | 4.5      |  |
| Channel         |            |         |           | 371000          | 376000             | 380500           |                     |          |  |
| Frequency (MHz) |            |         |           | 1857.5          | 1880               | 1902.5           |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.76           | 22.85              | 22.70            | 24.0                | 0.0      |  |
| Channel         |            |         |           | 371000          | 376000             | 381000           |                     |          |  |
| Frequency (MHz) |            |         |           | 1855            | 1880               | 1905             |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.79           | 22.81              | 22.64            | 24.0                | 0.0      |  |

| n5 Ant1 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 168800          | 167300             | 167800           |                     |          |  |
| Frequency (MHz) |            |         |           | 834             | 836.5              | 839              |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00           | 23.05              | 22.94            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.90           | 23.00              | 22.89            | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.84           | 22.96              | 22.84            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.57           | 22.62              | 22.55            | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.91           | 23.06              | 23.02            | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.43           | 22.54              | 22.46            |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.54           | 22.63              | 22.54            | 23.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 23.04           | 23.14              | 23.10            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 22.93           | 23.04              | 22.99            | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.79           | 22.90              | 22.84            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 22.10           | 22.16              | 22.13            | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.56           | 23.06              | 22.95            | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 22.00           | 22.03              | 22.00            |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.06           | 22.11              | 21.97            | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.69           | 21.76              | 21.70            | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.14           | 20.19              | 20.15            | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63           | 18.75              | 18.68            | 19.5                | 4.5      |  |
| Channel         |            |         |           | 168300          | 167300             | 168300           |                     |          |  |
| Frequency (MHz) |            |         |           | 831.5           | 836.5              | 841.5            |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.98           | 23.08              | 23.03            | 24.0                | 0.0      |  |
| Channel         |            |         |           | 168800          | 167300             | 168800           |                     |          |  |
| Frequency (MHz) |            |         |           | 829             | 836.5              | 844              |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.90           | 23.01              | 22.96            | 24.0                | 0.0      |  |





### n38 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 519304                | 519000                   | 519996                 |                     |          |
| Frequency (MHz) |            |         |           | 2590.02               | 2595                     | 2599.98                |                     |          |
| 40              | PI/2 BPSK  | 1       | 1         | 22.29                 | 22.39                    | 22.38                  | 24.0                | 0.0      |
| 40              | PI/2 BPSK  | 1       | 53        | 22.97                 | 23.07                    | 22.92                  |                     |          |
| 40              | PI/2 BPSK  | 1       | 104       | 22.49                 | 22.56                    | 22.50                  |                     |          |
| 40              | PI/2 BPSK  | 50      | 0         | 22.24                 | 22.48                    | 22.45                  | 23.5                | 0.5      |
| 40              | PI/2 BPSK  | 50      | 28        | 22.85                 | 23.07                    | 22.99                  | 24.0                | 0.0      |
| 40              | PI/2 BPSK  | 50      | 56        | 22.33                 | 22.36                    | 22.24                  |                     |          |
| 40              | PI/2 BPSK  | 100     | 0         | 22.37                 | 22.49                    | 22.37                  | 23.5                | 0.5      |
| 40              | QPSK       | 1       | 1         | 22.33                 | 22.44                    | 22.41                  |                     |          |
| 40              | QPSK       | 1       | 53        | 23.07                 | 23.11                    | 23.02                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 104       | 22.49                 | 22.53                    | 22.44                  |                     |          |
| 40              | QPSK       | 50      | 0         | 21.75                 | 21.90                    | 21.82                  | 23.0                | 1.0      |
| 40              | QPSK       | 50      | 28        | 22.92                 | 23.03                    | 22.96                  | 24.0                | 0.0      |
| 40              | QPSK       | 50      | 56        | 21.78                 | 21.87                    | 21.77                  |                     |          |
| 40              | QPSK       | 100     | 0         | 21.83                 | 21.95                    | 21.88                  | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 21.08                 | 21.16                    | 21.05                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 19.73                 | 19.83                    | 19.75                  | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.34                 | 18.42                    | 18.32                  | 19.5                | 4.5      |
| Channel         |            |         |           | 517002                | 519000                   | 520998                 |                     |          |
| Frequency (MHz) |            |         |           | 2585.01               | 2595                     | 2604.99                |                     |          |
| 30              | QPSK       | 1       | 1         | 23.01                 | 22.99                    | 22.97                  | 24.0                | 0.0      |
| Channel         |            |         |           | 516904                | 519000                   | 521496                 |                     |          |
| Frequency (MHz) |            |         |           | 2582.52               | 2595                     | 2607.48                |                     |          |
| 25              | QPSK       | 1       | 1         | 22.87                 | 22.97                    | 22.88                  | 24.0                | 0.0      |
| Channel         |            |         |           | 516800                | 519000                   | 522000                 |                     |          |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |          |
| 20              | QPSK       | 1       | 1         | 23.02                 | 23.00                    | 22.93                  | 19.0                | 2.5      |
| Channel         |            |         |           | 515902                | 519000                   | 522498                 |                     |          |
| Frequency (MHz) |            |         |           | 2577.51               | 2595                     | 2612.49                |                     |          |
| 15              | QPSK       | 1       | 1         | 23.03                 | 23.04                    | 22.85                  | 19.0                | 2.5      |
| Channel         |            |         |           | 515204                | 519000                   | 522996                 |                     |          |
| Frequency (MHz) |            |         |           | 2575.02               | 2595                     | 2614.98                |                     |          |
| 10              | QPSK       | 1       | 1         | 22.99                 | 23.08                    | 22.90                  | 15.0                | 4.5      |

### n41 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 509202                | 518598                   | 528300                 |                     |          |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 22.02                 | 22.06                    | 22.03                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 23.08                 | 23.09                    | 22.99                  | 24.0                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 22.01                 | 22.10                    | 22.04                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 22.35                 | 22.38                    | 22.27                  | 23.5                | 0.5      |
| 100             | PI/2 BPSK  | 135     | 69        | 23.07                 | 23.16                    | 23.13                  | 24.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 22.26                 | 22.37                    | 22.24                  |                     |          |
| 100             | PI/2 BPSK  | 270     | 0         | 22.32                 | 22.44                    | 22.35                  | 23.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.03                 | 22.11                    | 22.07                  |                     |          |
| 100             | QPSK       | 1       | 137       | 23.16                 | 23.21                    | 22.98                  | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.10                 | 22.14                    | 22.11                  |                     |          |
| 100             | QPSK       | 135     | 0         | 21.83                 | 21.90                    | 21.85                  | 23.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.01                 | 23.12                    | 23.09                  | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.74                 | 21.87                    | 21.74                  |                     |          |
| 100             | QPSK       | 270     | 0         | 21.81                 | 21.89                    | 21.84                  | 23.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.18                 | 21.23                    | 21.13                  | 23.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.68                 | 19.74                    | 19.66                  | 21.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 18.23                 | 18.31                    | 18.26                  | 19.5                | 4.5      |
| Channel         |            |         |           | 508200                | 518598                   | 528298                 |                     |          |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |          |
| 90              | QPSK       | 1       | 1         | 23.05                 | 23.08                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 |                     |          |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |          |
| 80              | QPSK       | 1       | 1         | 23.08                 | 23.17                    | 22.89                  | 24.0                | 0.0      |
| Channel         |            |         |           | 506200                | 518598                   | 531598                 |                     |          |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |          |
| 60              | QPSK       | 1       | 1         | 23.05                 | 23.10                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 |                     |          |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |          |
| 50              | QPSK       | 1       | 1         | 23.11                 | 23.13                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 |                     |          |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |          |
| 40              | QPSK       | 1       | 1         | 23.01                 | 23.08                    | 22.80                  | 24.0                | 0.0      |
| Channel         |            |         |           | 502200                | 518598                   | 534998                 |                     |          |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |          |
| 30              | QPSK       | 1       | 1         | 23.04                 | 23.06                    | 22.85                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 |                     |          |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |          |
| 20              | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 22.84                  | 24.0                | 0.0      |
| Channel         |            |         |           | 500700                | 518598                   | 538496                 |                     |          |
| Frequency (MHz) |            |         |           | 2503.5                | 2592.99                  | 2682.48                |                     |          |
| 15              | QPSK       | 1       | 1         | 23.09                 | 23.18                    | 22.94                  | 24.0                | 0.0      |

### Part270 n77 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 |                     |          |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 23.14                 | 23.55                    | 24.02                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 24.26                 | 24.76                    | 24.70                  | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 23.16                 | 23.60                    | 23.78                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 23.65                 | 24.03                    | 23.95                  | 24.5                | 0.5      |
| 100             | PI/2 BPSK  | 135     | 69        | 24.23                 | 24.63                    | 24.59                  | 25.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 23.87                 | 24.30                    | 24.24                  |                     |          |
| 100             | PI/2 BPSK  | 270     | 0         | 23.79                 | 24.30                    | 24.23                  | 24.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 23.20                 | 23.55                    | 24.08                  |                     |          |
| 100             | QPSK       | 1       | 137       | 24.31                 | 24.79                    | 24.72                  | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.13                 | 23.56                    | 23.81                  |                     |          |
| 100             | QPSK       | 135     | 0         | 23.14                 | 23.62                    | 23.58                  | 24.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.30                 | 24.64                    | 24.61                  | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.26                 | 23.69                    | 23.56                  |                     |          |
| 100             | QPSK       | 270     | 0         | 23.28                 | 23.76                    | 23.73                  | 24.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 22.54                 | 22.89                    | 22.84                  | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.09                 | 21.59                    | 21.51                  | 22.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 19.58                 | 19.98                    | 19.97                  | 20.5                | 4.5      |
| Channel         |            |         |           | 648968                | 656000                   | 662334                 |                     |          |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3935.01                |                     |          |
| 90              | QPSK       | 1       | 1         | 24.21                 | 24.75                    | 24.59                  | 25.0                | 0.0      |
| Channel         |            |         |           | 647934                | 656000                   | 662668                 |                     |          |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3940.02                |                     |          |
| 80              | QPSK       | 1       | 1         | 24.25                 | 24.67                    | 24.67                  | 25.0                | 0.0      |
| Channel         |            |         |           | 646868                | 656000                   | 663334                 |                     |          |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3950.01                |                     |          |
| 60              | QPSK       | 1       | 1         | 24.28                 | 24.64                    | 24.65                  | 25.0                | 0.0      |
| Channel         |            |         |           | 645834                | 656000                   | 663668                 |                     |          |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3955.02                |                     |          |
| 50              | QPSK       | 1       | 1         | 24.21                 | 24.69                    | 24.59                  | 25.0                | 0.0      |
| Channel         |            |         |           | 644800                | 656000                   | 664000                 |                     |          |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |          |
| 40              | QPSK       | 1       | 1         | 24.21                 | 24.74                    | 24.58                  | 25.0                | 0.0      |
| Channel         |            |         |           | 643734                | 656000                   | 664668                 |                     |          |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3970.02                |                     |          |
| 20              | QPSK       | 1       | 1         | 24.23                 | 24.71                    | 24.67                  | 25.0                | 0.0      |
| Channel         |            |         |           | 642768                | 656000                   | 664934                 |                     |          |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.51                |                     |          |
| 15              | QPSK       | 1       | 1         | 24.22                 | 24.66                    | 24.68                  | 25.0                | 0.0      |
| Channel         |            |         |           | 641700                | 656000                   | 665000                 |                     |          |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |          |
| 10              | QPSK       | 1       | 1         | 24.18                 | 24.69                    | 24.60                  | 25.0                | 0.0      |



### Part27Q n77 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | PV2 BPSK   | 1       | 1         | 23.29                 |                          |                        |                     |          |
| 100             | PV2 BPSK   | 1       | 137       | 24.44                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 1       | 271       | 23.29                 |                          |                        |                     |          |
| 100             | PV2 BPSK   | 135     | 0         | 23.69                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 135     | 69        | 24.34                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 135     | 138       | 24.02                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 270     | 0         | 23.98                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 23.23                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 24.50                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.22                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.37                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.40                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.44                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.48                 |                          |                        | 25.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.86                 |                          |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.89                 |                          |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 19.64                 |                          |                        | 21.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                |                     |          |
| 90              | QPSK       | 1       | 1         | 24.46                 | 24.46                    | 24.37                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3506.01                  | 3510                   |                     |          |
| 80              | QPSK       | 1       | 1         | 24.30                 | 24.44                    | 24.40                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                |                     |          |
| 60              | QPSK       | 1       | 1         | 24.37                 | 24.36                    | 24.45                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3506.01                  | 3510                   |                     |          |
| 50              | QPSK       | 1       | 1         | 24.30                 | 24.46                    | 24.30                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 631334                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                |                     |          |
| 40              | QPSK       | 1       | 1         | 24.43                 | 24.41                    | 24.40                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   |                     |          |
| 20              | QPSK       | 1       | 1         | 24.47                 | 24.39                    | 24.42                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                |                     |          |
| 10              | QPSK       | 1       | 1         | 24.42                 | 24.40                    | 24.36                  | 25.0                | 0.0      |

### PC3 Part27O n78 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | PV2 BPSK   | 1       | 1         | 23.10                 |                          |                        |                     |          |
| 100             | PV2 BPSK   | 1       | 137       | 23.78                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | PV2 BPSK   | 135     | 0         | 23.65                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 135     | 69        | 23.81                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 135     | 138       | 23.73                 |                          |                        | 25.0                | 0.0      |
| 100             | PV2 BPSK   | 270     | 0         | 23.79                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.93                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.33                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 23.88                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.57                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.64                 |                          |                        | 25.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.41                 |                          |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.95                 |                          |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.37                 |                          |                        | 21.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90              | QPSK       | 1       | 1         | 23.78                 | 23.88                    | 23.82                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |
| 80              | QPSK       | 1       | 1         | 23.78                 | 23.87                    | 23.83                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60              | QPSK       | 1       | 1         | 23.86                 | 23.79                    | 23.84                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50              | QPSK       | 1       | 1         | 23.85                 | 23.83                    | 23.80                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | QPSK       | 1       | 1         | 23.85                 | 23.84                    | 23.82                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20              | QPSK       | 1       | 1         | 23.84                 | 23.87                    | 23.86                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |
| 15              | QPSK       | 1       | 1         | 23.84                 | 23.81                    | 23.88                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |
| 10              | QPSK       | 1       | 1         | 23.82                 | 23.79                    | 23.88                  | 25.0                | 0.0      |

### PC2 Part27O n78 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | PV2 BPSK   | 1       | 1         | 25.18                 |                          |                        |                     |          |
| 100             | PV2 BPSK   | 1       | 137       | 25.93                 |                          |                        | 27.0                | 0.0      |
| 100             | PV2 BPSK   | 1       | 271       | 25.31                 |                          |                        |                     |          |
| 100             | PV2 BPSK   | 135     | 0         | 25.35                 |                          |                        | 27.0                | 0.0      |
| 100             | PV2 BPSK   | 135     | 69        | 25.95                 |                          |                        | 27.0                | 0.0      |
| 100             | PV2 BPSK   | 135     | 138       | 25.33                 |                          |                        | 27.0                | 0.0      |
| 100             | PV2 BPSK   | 270     | 0         | 25.47                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 25.22                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 25.97                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 25.33                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 25.35                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 25.93                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 25.55                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 25.55                 |                          |                        | 27.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.32                 |                          |                        | 26.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 22.86                 |                          |                        | 24.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 20.92                 |                          |                        | 22.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                |                     |          |
| 90              | QPSK       | 1       | 1         | 25.82                 | 25.88                    | 25.92                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                |                     |          |
| 80              | QPSK       | 1       | 1         | 25.92                 | 25.93                    | 25.86                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                |                     |          |
| 60              | QPSK       | 1       | 1         | 25.93                 | 25.83                    | 25.85                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                |                     |          |
| 50              | QPSK       | 1       | 1         | 25.93                 | 25.91                    | 25.87                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |          |
| 40              | QPSK       | 1       | 1         | 25.93                 | 25.87                    | 25.93                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                |                     |          |
| 20              | QPSK       | 1       | 1         | 25.85                 | 25.84                    | 25.84                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647168                | 650000                   | 652834                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                |                     |          |
| 15              | QPSK       | 1       | 1         | 25.92                 | 25.93                    | 25.88                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |          |
| 10              | QPSK       | 1       | 1         | 25.89                 | 25.88                    | 25.83                  | 27.0                | 0.0      |



### PC3 Part27Q n78 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 633334                |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 23.10                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 23.80                 |                          |                        | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 23.26                 |                          |                        | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 23.69                 |                          |                        | 25.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 23.24                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 23.28                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 23.84                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.10                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 23.10                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 23.79                 |                          |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.68                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 23.71                 |                          |                        | 25.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.63                 |                          |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.84                 |                          |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.19                 |                          |                        | 21.5                | 3.5      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                | 25.0                | 0.0      |
| 90              | QPSK       | 1       | 1         | 23.70                 | 23.74                    | 23.76                  | 25.0                | 0.0      |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   | 25.0                | 0.0      |
| 80              | QPSK       | 1       | 1         | 23.71                 | 23.77                    | 23.80                  | 25.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                | 25.0                | 0.0      |
| 60              | QPSK       | 1       | 1         | 23.78                 | 23.78                    | 23.70                  | 25.0                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   | 25.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 23.70                 | 23.76                    | 23.79                  | 25.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 633334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 25.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 23.81                 | 23.73                    | 23.76                  | 25.0                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | 25.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 23.80                 | 23.79                    | 23.80                  | 25.0                | 0.0      |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 25.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 23.75                 | 23.76                    | 23.74                  | 25.0                | 0.0      |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 25.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 23.70                 | 23.74                    | 23.70                  | 25.0                | 0.0      |

### PC2 Part27Q n78 Ant2 Default

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 633334                |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 25.12                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 25.72                 |                          |                        | 27.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 25.20                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 25.33                 |                          |                        | 27.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 25.70                 |                          |                        | 27.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 25.10                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 25.10                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 25.01                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 25.79                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 25.27                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 25.36                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 25.71                 |                          |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 25.26                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 25.31                 |                          |                        | 27.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.93                 |                          |                        | 26.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 22.56                 |                          |                        | 24.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 21.03                 |                          |                        | 22.5                | 4.5      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                | 25.0                | 0.0      |
| 90              | QPSK       | 1       | 1         | 25.06                 | 25.03                    | 25.09                  | 27.0                | 0.0      |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   | 27.0                | 0.0      |
| 80              | QPSK       | 1       | 1         | 25.14                 | 25.10                    | 25.15                  | 27.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                | 25.0                | 0.0      |
| 60              | QPSK       | 1       | 1         | 25.08                 | 25.14                    | 25.05                  | 27.0                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   | 27.0                | 0.0      |
| 50              | QPSK       | 1       | 1         | 25.07                 | 25.07                    | 25.07                  | 27.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 633334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | 25.0                | 0.0      |
| 40              | QPSK       | 1       | 1         | 25.09                 | 25.03                    | 25.12                  | 27.0                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | 27.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 25.11                 | 25.05                    | 25.08                  | 27.0                | 0.0      |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                | 25.0                | 0.0      |
| 15              | QPSK       | 1       | 1         | 25.10                 | 25.14                    | 25.09                  | 27.0                | 0.0      |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | 25.0                | 0.0      |
| 10              | QPSK       | 1       | 1         | 25.07                 | 25.08                    | 25.06                  | 27.0                | 0.0      |



### Part270 n77 Ant4 DS12

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 65000                 | 65000                    | 65000                  |                     |          |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 21.50                 | 21.85                    | 21.48                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 21.50                 | 21.89                    | 21.54                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 21.63                 | 21.72                    | 21.56                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 21.80                 | 21.84                    | 21.38                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 21.52                 | 21.63                    | 21.59                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 21.52                 | 21.69                    | 21.57                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 270     | 0         | 21.48                 | 21.69                    | 21.41                  | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.65                 | 21.70                    | 21.44                  |                     |          |
| 100             | QPSK       | 1       | 137       | 21.66                 | 21.85                    | 21.58                  | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.82                 | 21.80                    | 21.39                  |                     |          |
| 100             | QPSK       | 135     | 0         | 21.88                 | 21.88                    | 21.55                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.44                 | 21.80                    | 21.51                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.53                 | 21.79                    | 21.59                  | 22.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.60                 | 21.73                    | 21.40                  | 22.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.82                 | 21.84                    | 21.41                  | 22.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.56                 | 21.55                    | 21.53                  | 22.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.20                 | 19.08                    | 19.01                  | 20.0                | 2.0      |
| Channel         |            |         |           | 649668                | 650000                   | 652334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3935.01                | (dB)                |          |
| 90              | QPSK       | 1       | 1         | 21.57                 | 21.84                    | 21.43                  | 22.0                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3940.02                | (dB)                |          |
| 80              | QPSK       | 1       | 1         | 21.49                 | 21.52                    | 21.38                  | 22.0                | 0.0      |
| Channel         |            |         |           | 648668                | 650000                   | 653334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3950.01                | (dB)                |          |
| 60              | QPSK       | 1       | 1         | 21.66                 | 21.81                    | 21.46                  | 22.0                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 653668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3955.02                | (dB)                |          |
| 50              | QPSK       | 1       | 1         | 21.55                 | 21.84                    | 21.42                  | 22.0                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 654000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   | (dB)                |          |
| 40              | QPSK       | 1       | 1         | 21.57                 | 21.89                    | 21.57                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 654668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3970.02                | (dB)                |          |
| 20              | QPSK       | 1       | 1         | 21.47                 | 21.89                    | 21.53                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647159                | 650000                   | 654834                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.51                | (dB)                |          |
| 15              | QPSK       | 1       | 1         | 21.59                 | 21.83                    | 21.59                  | 22.0                | 0.0      |
| Channel         |            |         |           | 647000                | 650000                   | 655000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   | (dB)                |          |
| 10              | QPSK       | 1       | 1         | 21.44                 | 21.82                    | 21.43                  | 22.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 633000                | 633334                   | 633668                 |                     |          |
| Frequency (MHz) |            |         |           | 3500.01               | 3500.01                  | 3500.01                |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 21.29                 | 21.29                    | 21.29                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 21.31                 | 21.31                    | 21.31                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 21.23                 | 21.23                    | 21.23                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 21.29                 | 21.29                    | 21.29                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 21.36                 | 21.36                    | 21.36                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 21.22                 | 21.22                    | 21.22                  | 22.0                | 0.0      |
| 100             | Pi/2 BPSK  | 270     | 0         | 21.22                 | 21.22                    | 21.22                  | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.26                 | 21.26                    | 21.26                  |                     |          |
| 100             | QPSK       | 1       | 137       | 21.42                 | 21.42                    | 21.42                  | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.21                 | 21.21                    | 21.21                  |                     |          |
| 100             | QPSK       | 135     | 0         | 21.30                 | 21.30                    | 21.30                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.34                 | 21.34                    | 21.34                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.18                 | 21.18                    | 21.18                  | 22.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.16                 | 21.16                    | 21.16                  | 22.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.16                 | 21.16                    | 21.16                  | 22.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.35                 | 21.35                    | 21.35                  | 22.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.44                 | 19.44                    | 19.44                  | 20.0                | 2.0      |
| Channel         |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dB)                |          |
| 90              | QPSK       | 1       | 1         | 21.30                 | 21.36                    | 21.24                  | 22.0                | 0.0      |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dB)                |          |
| 80              | QPSK       | 1       | 1         | 21.32                 | 21.13                    | 21.27                  | 22.0                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dB)                |          |
| 60              | QPSK       | 1       | 1         | 21.20                 | 21.17                    | 21.28                  | 22.0                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dB)                |          |
| 50              | QPSK       | 1       | 1         | 21.33                 | 21.16                    | 21.35                  | 22.0                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dB)                |          |
| 40              | QPSK       | 1       | 1         | 21.26                 | 21.14                    | 21.19                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dB)                |          |
| 20              | QPSK       | 1       | 1         | 21.23                 | 21.26                    | 21.16                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630500                | 633334                   | 636168                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3455.02               | 3500.01                  | 3542.52                | (dB)                |          |
| 15              | QPSK       | 1       | 1         | 21.21                 | 21.21                    | 21.17                  | 22.0                | 0.0      |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dB)                |          |
| 10              | QPSK       | 1       | 1         | 21.14                 | 21.27                    | 21.26                  | 22.0                | 0.0      |

### PC3 Part27O n78 Ant4 DS12

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 650000                | 650000                   | 650000                 |                     |          |
| Frequency (MHz) |            |         |           | 3750                  | 3750                     | 3750                   |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 22.73                 | 22.73                    | 22.73                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 22.71                 | 22.71                    | 22.71                  | 23.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 22.63                 | 22.63                    | 22.63                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 22.68                 | 22.68                    | 22.68                  | 23.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 22.70                 | 22.70                    | 22.70                  | 23.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 22.73                 | 22.73                    | 22.73                  | 23.5                | 0.0      |
| 100             | Pi/2 BPSK  | 270     | 0         | 22.77                 | 22.77                    | 22.77                  | 23.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 22.80                 | 22.80                    | 22.80                  |                     |          |
| 100             | QPSK       | 1       | 137       | 22.85                 | 22.85                    | 22.85                  | 23.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.75                 | 22.75                    | 22.75                  |                     |          |
| 100             | QPSK       | 135     | 0         | 22.74                 | 22.74                    | 22.74                  | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.80                 | 22.80                    | 22.80                  | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 22.68                 | 22.68                    | 22.68                  | 23.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 22.63                 | 22.63                    | 22.63                  | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.83                 | 22.83                    | 22.83                  | 23.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.64                 | 22.64                    | 22.64                  | 23.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.82                 | 21.82                    | 21.82                  | 23.0                | 0.5      |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                | (dB)                |          |
| 90              | QPSK       | 1       | 1         | 22.54                 | 22.52                    | 22.44                  | 23.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                | (dB)                |          |
| 80              | QPSK       | 1       | 1         | 22.47                 | 22.57                    | 22.63                  | 23.5                | 0.0      |
| Channel         |            |         |           | 648668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3770.01                | (dB)                |          |
| 60              | QPSK       | 1       | 1         | 22.58                 | 22.43                    | 22.42                  | 23.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                | (dB)                |          |
| 50              | QPSK       | 1       | 1         | 22.53                 | 22.55                    | 22.64                  | 23.5                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   | (dB)                |          |
| 40              | QPSK       | 1       | 1         | 22.54                 | 22.43                    | 22.59                  | 23.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                | (dB)                |          |
| 20              | QPSK       | 1       | 1         | 22.62                 | 22.41                    | 22.64                  | 23.5                | 0.0      |
| Channel         |            |         |           | 647168                | 650000                   | 653334                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                | (dB)                |          |
| 15              | QPSK       | 1       | 1         | 22.51                 | 22.45                    | 22.62                  | 23.5                | 0.0      |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR      |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   | (dB)                |          |
| 10              | QPSK       | 1       | 1         | 22.53                 | 22.50                    | 22.44                  | 23.5                | 0.0      |



### PC2 Part270 n78 Ant4 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |         |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------|
| Channel         |            |         |           |                       |                          |                        |                     |          |         |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3750                |          |         |
| 100             | PI/2 BPSK  | 1       | 1         | 24.51                 |                          |                        |                     |          |         |
| 100             | PI/2 BPSK  | 1       | 137       | 25.21                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 1       | 271       | 24.64                 |                          |                        |                     |          |         |
| 100             | PI/2 BPSK  | 135     | 0         | 25.25                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 135     | 69        | 25.25                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 135     | 138       | 25.16                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 270     | 0         | 25.24                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 1       | 1         | 24.52                 |                          |                        |                     |          |         |
| 100             | QPSK       | 1       | 137       | 25.35                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 1       | 271       | 24.74                 |                          |                        |                     |          |         |
| 100             | QPSK       | 135     | 0         | 25.21                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 135     | 69        | 25.31                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 135     | 138       | 25.12                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 270     | 0         | 25.17                 |                          |                        | 26.5                | 0.0      |         |
| 100             | 16QAM      | 1       | 1         | 24.71                 |                          |                        | 26.5                | 0.0      |         |
| 100             | 64QAM      | 1       | 1         | 23.54                 |                          |                        | 25.0                | 1.5      |         |
| 100             | 256QAM     | 1       | 1         | 20.79                 |                          |                        | 22.0                | 4.5      |         |
| Channel         |            |         |           |                       |                          |                        | 649668              | 650000   | 650334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3745.02             | 3750     | 3755.01 |
| 90              | QPSK       | 1       | 1         | 25.31                 | 25.21                    | 25.22                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 649334              | 650000   | 650668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3740.01             | 3750     | 3760.02 |
| 80              | QPSK       | 1       | 1         | 25.23                 | 25.32                    | 25.20                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 649668              | 650000   | 651334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3730.02             | 3750     | 3770.01 |
| 60              | QPSK       | 1       | 1         | 25.21                 | 25.31                    | 25.28                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 648334              | 650000   | 651668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3725.01             | 3750     | 3775.02 |
| 50              | QPSK       | 1       | 1         | 25.24                 | 25.29                    | 25.31                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 648000              | 650000   | 650300  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3720                | 3750     | 3780    |
| 40              | QPSK       | 1       | 1         | 25.31                 | 25.23                    | 25.27                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 647334              | 650000   | 652668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3710.01             | 3750     | 3790.02 |
| 20              | QPSK       | 1       | 1         | 25.30                 | 25.27                    | 25.20                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 647168              | 650000   | 650334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3707.52             | 3750     | 3792.51 |
| 15              | QPSK       | 1       | 1         | 25.30                 | 25.30                    | 25.23                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 647000              | 650000   | 653000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3705                | 3750     | 3795    |
| 10              | QPSK       | 1       | 1         | 25.31                 | 25.26                    | 25.21                  | 26.5                | 0.0      |         |

### PC3 Part27Q n78 Ant4 DS12

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |         |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------|
| Channel         |            |         |           |                       |                          |                        |                     |          |         |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3500.01             |          |         |
| 100             | PI/2 BPSK  | 1       | 1         | 22.58                 |                          |                        |                     |          |         |
| 100             | PI/2 BPSK  | 1       | 137       | 22.40                 |                          |                        | 23.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 1       | 271       | 22.31                 |                          |                        |                     |          |         |
| 100             | PI/2 BPSK  | 135     | 0         | 22.48                 |                          |                        | 23.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 135     | 69        | 22.48                 |                          |                        | 23.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 135     | 138       | 22.47                 |                          |                        | 23.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 270     | 0         | 22.51                 |                          |                        | 23.5                | 0.0      |         |
| 100             | QPSK       | 1       | 1         | 22.52                 |                          |                        |                     |          |         |
| 100             | QPSK       | 1       | 137       | 22.72                 |                          |                        | 23.5                | 0.0      |         |
| 100             | QPSK       | 1       | 271       | 22.56                 |                          |                        |                     |          |         |
| 100             | QPSK       | 135     | 0         | 22.57                 |                          |                        | 23.5                | 0.0      |         |
| 100             | QPSK       | 135     | 69        | 22.65                 |                          |                        | 23.5                | 0.0      |         |
| 100             | QPSK       | 135     | 138       | 22.49                 |                          |                        | 23.5                | 0.0      |         |
| 100             | QPSK       | 270     | 0         | 22.30                 |                          |                        | 23.5                | 0.0      |         |
| 100             | 16QAM      | 1       | 1         | 22.55                 |                          |                        | 23.5                | 0.0      |         |
| 100             | 64QAM      | 1       | 1         | 22.35                 |                          |                        | 23.5                | 0.0      |         |
| 100             | 256QAM     | 1       | 1         | 21.67                 |                          |                        | 23.0                | 0.5      |         |
| Channel         |            |         |           |                       |                          |                        | 633000              | 633334   | 633668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3495                | 3500.01  | 3505.02 |
| 90              | QPSK       | 1       | 1         | 22.34                 | 22.37                    | 22.43                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 632668              | 633334   | 634000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3490.02             | 3500.01  | 3510    |
| 80              | QPSK       | 1       | 1         | 22.35                 | 22.48                    | 22.48                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 632000              | 633334   | 634668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3480                | 3500.01  | 3520.02 |
| 60              | QPSK       | 1       | 1         | 22.31                 | 22.42                    | 22.45                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 631668              | 633334   | 635000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3475.02             | 3500.01  | 3525    |
| 50              | QPSK       | 1       | 1         | 22.42                 | 22.31                    | 22.30                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 631334              | 633334   | 635334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3470.01             | 3500.01  | 3530.01 |
| 40              | QPSK       | 1       | 1         | 22.38                 | 22.41                    | 22.44                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 630668              | 633334   | 636000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3460.02             | 3500.01  | 3540    |
| 20              | QPSK       | 1       | 1         | 22.36                 | 22.30                    | 22.43                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 630500              | 633334   | 636168  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3457.5              | 3500.01  | 3542.52 |
| 15              | QPSK       | 1       | 1         | 22.44                 | 22.29                    | 22.28                  | 23.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 630334              | 633334   | 636334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3455.01             | 3500.01  | 3545.01 |
| 10              | QPSK       | 1       | 1         | 22.27                 | 22.42                    | 22.40                  | 23.5                | 0.0      |         |

### PC2 Part27Q n78 Ant4 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |         |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---------|
| Channel         |            |         |           |                       |                          |                        |                     |          |         |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3500.01             |          |         |
| 100             | PI/2 BPSK  | 1       | 1         | 24.53                 |                          |                        |                     |          |         |
| 100             | PI/2 BPSK  | 1       | 137       | 25.29                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 1       | 271       | 24.79                 |                          |                        |                     |          |         |
| 100             | PI/2 BPSK  | 135     | 0         | 25.32                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 135     | 69        | 25.39                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 135     | 138       | 25.24                 |                          |                        | 26.5                | 0.0      |         |
| 100             | PI/2 BPSK  | 270     | 0         | 25.29                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 1       | 1         | 24.52                 |                          |                        |                     |          |         |
| 100             | QPSK       | 1       | 137       | 25.50                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 1       | 271       | 24.90                 |                          |                        |                     |          |         |
| 100             | QPSK       | 135     | 0         | 25.36                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 135     | 69        | 25.43                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 135     | 138       | 25.21                 |                          |                        | 26.5                | 0.0      |         |
| 100             | QPSK       | 270     | 0         | 25.28                 |                          |                        | 26.5                | 0.0      |         |
| 100             | 16QAM      | 1       | 1         | 24.52                 |                          |                        | 26.5                | 0.0      |         |
| 100             | 64QAM      | 1       | 1         | 23.97                 |                          |                        | 25.0                | 1.5      |         |
| 100             | 256QAM     | 1       | 1         | 21.35                 |                          |                        | 22.0                | 4.5      |         |
| Channel         |            |         |           |                       |                          |                        | 633000              | 633334   | 633668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3495                | 3500.01  | 3505.02 |
| 90              | QPSK       | 1       | 1         | 25.38                 | 25.44                    | 25.41                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 632668              | 633334   | 634000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3490.02             | 3500.01  | 3510    |
| 80              | QPSK       | 1       | 1         | 25.36                 | 25.46                    | 25.41                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 632000              | 633334   | 634668  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3480                | 3500.01  | 3520.02 |
| 60              | QPSK       | 1       | 1         | 25.40                 | 25.37                    | 25.46                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 631668              | 633334   | 635000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3475.02             | 3500.01  | 3525    |
| 50              | QPSK       | 1       | 1         | 25.37                 | 25.36                    | 25.42                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 631334              | 633334   | 635334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3470.01             | 3500.01  | 3530.01 |
| 40              | QPSK       | 1       | 1         | 25.41                 | 25.43                    | 25.43                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 630668              | 633334   | 636000  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3460.02             | 3500.01  | 3540    |
| 20              | QPSK       | 1       | 1         | 25.43                 | 25.44                    | 25.38                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 630500              | 633334   | 636168  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3457.5              | 3500.01  | 3542.52 |
| 15              | QPSK       | 1       | 1         | 25.37                 | 25.42                    | 25.42                  | 26.5                | 0.0      |         |
| Channel         |            |         |           |                       |                          |                        | 630334              | 633334   | 636334  |
| Frequency (MHz) |            |         |           |                       |                          |                        | 3455.01             | 3500.01  | 3545.01 |
| 10              | QPSK       | 1       | 1         | 25.38                 | 25.39                    | 25.40                  | 26.5                | 0.0      |         |





### Part270 n77 Ant6 DS12

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 65000                 | 65000                    | 66000                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 17.49                 | 17.48                    | 17.31                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 17.41                 | 17.45                    | 17.23                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 17.51                 | 17.43                    | 17.38                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 17.46                 | 17.55                    | 17.43                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 17.43                 | 17.38                    | 17.29                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 17.45                 | 17.56                    | 17.22                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 17.46                 | 17.38                    | 17.42                  |                     |          |
| 100             | QPSK       | 1       | 1         | 17.35                 | 17.52                    | 17.33                  |                     |          |
| 100             | QPSK       | 1       | 137       | 17.49                 | 17.59                    | 17.43                  | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 17.47                 | 17.45                    | 17.29                  |                     |          |
| 100             | QPSK       | 135     | 0         | 17.42                 | 17.52                    | 17.29                  | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.42                 | 17.55                    | 17.32                  | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.35                 | 17.46                    | 17.41                  | 18.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 17.31                 | 17.53                    | 17.35                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 17.45                 | 17.42                    | 17.31                  | 18.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.28                 | 17.53                    | 17.43                  | 18.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 17.37                 | 17.56                    | 17.35                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 17.35                 | 17.38                    | 17.33                  | 18.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 17.17                 | 17.21                    | 17.17                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 17.32                 | 17.20                    | 17.34                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 648334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 17.16                 | 17.33                    | 17.32                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 17.17                 | 17.17                    | 17.33                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 647334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 17.31                 | 17.22                    | 17.21                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 647168                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 17.22                 | 17.22                    | 17.21                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 647000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 17.33                 | 17.16                    | 17.22                  | 18.5                | 0.0      |

### Part27Q n77 Ant6 DS12

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 633334                |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 17.49                 | 17.48                    | 17.31                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 17.41                 | 17.45                    | 17.23                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 17.51                 | 17.43                    | 17.38                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 17.46                 | 17.55                    | 17.43                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 17.43                 | 17.38                    | 17.29                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 17.45                 | 17.56                    | 17.22                  | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 17.46                 | 17.38                    | 17.42                  |                     |          |
| 100             | QPSK       | 1       | 1         | 17.35                 | 17.52                    | 17.33                  |                     |          |
| 100             | QPSK       | 1       | 137       | 17.49                 | 17.59                    | 17.43                  | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 17.47                 | 17.45                    | 17.29                  |                     |          |
| 100             | QPSK       | 135     | 0         | 17.42                 | 17.52                    | 17.29                  | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.42                 | 17.55                    | 17.32                  | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.35                 | 17.46                    | 17.41                  | 18.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 17.31                 | 17.53                    | 17.35                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 17.45                 | 17.42                    | 17.31                  | 18.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.28                 | 17.53                    | 17.43                  | 18.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 17.37                 | 17.56                    | 17.35                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 17.65                 | 17.62                    | 17.70                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 17.50                 | 17.61                    | 17.54                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 17.51                 | 17.61                    | 17.53                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 17.41                 | 17.55                    | 17.50                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 17.47                 | 17.60                    | 17.52                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 17.45                 | 17.46                    | 17.51                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 630500                | 633334                   | 633168                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 17.52                 | 17.46                    | 17.67                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 17.46                 | 17.62                    | 17.51                  | 18.5                | 0.0      |

### PC3 Part270 n78 Ant6 DS12

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 650000                |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 17.49                 | 17.48                    | 17.31                  |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 17.41                 | 17.45                    | 17.23                  | 19.0                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 17.51                 | 17.43                    | 17.38                  |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 17.46                 | 17.55                    | 17.43                  | 19.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 17.43                 | 17.38                    | 17.29                  | 19.0                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 17.45                 | 17.56                    | 17.22                  | 19.0                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 17.46                 | 17.38                    | 17.42                  |                     |          |
| 100             | QPSK       | 1       | 1         | 17.35                 | 17.52                    | 17.33                  |                     |          |
| 100             | QPSK       | 1       | 137       | 17.49                 | 17.59                    | 17.43                  | 19.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 17.47                 | 17.45                    | 17.29                  |                     |          |
| 100             | QPSK       | 135     | 0         | 17.42                 | 17.52                    | 17.29                  | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.42                 | 17.55                    | 17.32                  | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.35                 | 17.46                    | 17.41                  | 19.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 17.31                 | 17.53                    | 17.35                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 17.45                 | 17.42                    | 17.31                  | 19.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.28                 | 17.53                    | 17.43                  | 19.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 17.37                 | 17.56                    | 17.35                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 17.32                 | 17.42                    | 17.39                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 17.52                 | 17.29                    | 17.53                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649668                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 17.29                 | 17.28                    | 17.34                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 17.57                 | 17.54                    | 17.50                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 17.29                 | 17.32                    | 17.49                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 17.44                 | 17.46                    | 17.40                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 647168                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 17.34                 | 17.34                    | 17.44                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 17.33                 | 17.41                    | 17.51                  | 19.0                | 0.0      |



### PC2 Part27O n78 Ant6 DSI2

| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 65000                |            |         |           |                       |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 1       | 1         | 20.56                 |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 1       | 137       | 20.59                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 1       | 271       | 20.69                 |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 135     | 0         | 20.65                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 135     | 69        | 20.57                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 135     | 138       | 20.66                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 270     | 0         | 20.53                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 1       | 1         | 20.60                 |                          |                        |                     |          |
| 100                  | QPSK       | 1       | 137       | 20.74                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 1       | 271       | 20.70                 |                          |                        |                     |          |
| 100                  | QPSK       | 135     | 0         | 20.53                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 135     | 69        | 20.70                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 135     | 138       | 20.69                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 270     | 0         | 20.55                 |                          |                        | 22.0                | 0.0      |
| 100                  | 16QAM      | 1       | 1         | 20.69                 |                          |                        | 22.0                | 0.0      |
| 100                  | 64QAM      | 1       | 1         | 20.68                 |                          |                        | 22.0                | 0.0      |
| 100                  | 256QAM     | 1       | 1         | 20.68                 |                          |                        | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 649668 650000 650334 |            |         |           |                       |                          |                        |                     |          |
| 90                   | QPSK       | 1       | 1         | 3745.02               | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| 90                   | QPSK       | 1       | 1         | 20.39                 | 20.54                    | 20.50                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 649334 650000 650668 |            |         |           |                       |                          |                        |                     |          |
| 80                   | QPSK       | 1       | 1         | 20.47                 | 20.37                    | 20.35                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 649668 650000 651334 |            |         |           |                       |                          |                        |                     |          |
| 60                   | QPSK       | 1       | 1         | 3730.02               | 3750                     | 3770.01                | Tune-up limit (dBm) | MPR (dB) |
| 60                   | QPSK       | 1       | 1         | 20.43                 | 20.44                    | 20.53                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 648334 650000 651668 |            |         |           |                       |                          |                        |                     |          |
| 50                   | QPSK       | 1       | 1         | 3725.01               | 3750                     | 3775.02                | Tune-up limit (dBm) | MPR (dB) |
| 50                   | QPSK       | 1       | 1         | 20.43                 | 20.50                    | 20.45                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 648000 650000 652000 |            |         |           |                       |                          |                        |                     |          |
| 40                   | QPSK       | 1       | 1         | 3720                  | 3750                     | 3780                   | Tune-up limit (dBm) | MPR (dB) |
| 40                   | QPSK       | 1       | 1         | 20.48                 | 20.56                    | 20.34                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 647334 650000 652668 |            |         |           |                       |                          |                        |                     |          |
| 20                   | QPSK       | 1       | 1         | 3710.01               | 3750                     | 3790.02                | Tune-up limit (dBm) | MPR (dB) |
| 20                   | QPSK       | 1       | 1         | 20.55                 | 20.33                    | 20.34                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 647168 650000 652834 |            |         |           |                       |                          |                        |                     |          |
| 15                   | QPSK       | 1       | 1         | 3707.52               | 3750                     | 3792.51                | Tune-up limit (dBm) | MPR (dB) |
| 15                   | QPSK       | 1       | 1         | 20.44                 | 20.55                    | 20.43                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 647000 650000 653000 |            |         |           |                       |                          |                        |                     |          |
| 10                   | QPSK       | 1       | 1         | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |
| 10                   | QPSK       | 1       | 1         | 20.53                 | 20.37                    | 20.43                  | 22.0                | 0.0      |

### PC3 Part27Q n78 Ant6 DSI2

| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 63334                |            |         |           |                       |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 1       | 1         | 17.83                 |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 1       | 137       | 17.56                 |                          |                        | 19.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 1       | 271       | 17.67                 |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 135     | 0         | 17.55                 |                          |                        | 19.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 135     | 69        | 17.74                 |                          |                        | 19.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 135     | 138       | 17.69                 |                          |                        | 19.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 270     | 0         | 17.79                 |                          |                        | 19.0                | 0.0      |
| 100                  | QPSK       | 1       | 1         | 17.87                 |                          |                        |                     |          |
| 100                  | QPSK       | 1       | 137       | 17.99                 |                          |                        | 19.0                | 0.0      |
| 100                  | QPSK       | 1       | 271       | 17.86                 |                          |                        |                     |          |
| 100                  | QPSK       | 135     | 0         | 17.83                 |                          |                        | 19.0                | 0.0      |
| 100                  | QPSK       | 135     | 69        | 17.95                 |                          |                        | 19.0                | 0.0      |
| 100                  | QPSK       | 135     | 138       | 17.75                 |                          |                        | 19.0                | 0.0      |
| 100                  | QPSK       | 270     | 0         | 17.70                 |                          |                        | 19.0                | 0.0      |
| 100                  | 16QAM      | 1       | 1         | 17.69                 |                          |                        | 19.0                | 0.0      |
| 100                  | 64QAM      | 1       | 1         | 17.56                 |                          |                        | 19.0                | 0.0      |
| 100                  | 256QAM     | 1       | 1         | 17.58                 |                          |                        | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 633000 633334 633668 |            |         |           |                       |                          |                        |                     |          |
| 90                   | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| 90                   | QPSK       | 1       | 1         | 17.58                 | 17.48                    | 17.62                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 632668 633334 634000 |            |         |           |                       |                          |                        |                     |          |
| 80                   | QPSK       | 1       | 1         | 3490.02               | 3500.01                  | 3510                   | Tune-up limit (dBm) | MPR (dB) |
| 80                   | QPSK       | 1       | 1         | 17.61                 | 17.55                    | 17.66                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 632000 633334 634668 |            |         |           |                       |                          |                        |                     |          |
| 60                   | QPSK       | 1       | 1         | 3480                  | 3500.01                  | 3520.02                | Tune-up limit (dBm) | MPR (dB) |
| 60                   | QPSK       | 1       | 1         | 17.51                 | 17.67                    | 17.61                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 631668 633334 635000 |            |         |           |                       |                          |                        |                     |          |
| 50                   | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |
| 50                   | QPSK       | 1       | 1         | 17.72                 | 17.71                    | 17.51                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 631334 633334 635334 |            |         |           |                       |                          |                        |                     |          |
| 40                   | QPSK       | 1       | 1         | 3470.01               | 3500.01                  | 3530.01                | Tune-up limit (dBm) | MPR (dB) |
| 40                   | QPSK       | 1       | 1         | 17.64                 | 17.66                    | 17.65                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 630668 633334 636000 |            |         |           |                       |                          |                        |                     |          |
| 20                   | QPSK       | 1       | 1         | 3460.02               | 3500.01                  | 3540                   | Tune-up limit (dBm) | MPR (dB) |
| 20                   | QPSK       | 1       | 1         | 17.65                 | 17.62                    | 17.67                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 630500 633334 636168 |            |         |           |                       |                          |                        |                     |          |
| 15                   | QPSK       | 1       | 1         | 3457.5                | 3500.01                  | 3542.52                | Tune-up limit (dBm) | MPR (dB) |
| 15                   | QPSK       | 1       | 1         | 17.59                 | 17.55                    | 17.52                  | 19.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 630334 633334 636334 |            |         |           |                       |                          |                        |                     |          |
| 10                   | QPSK       | 1       | 1         | 3455.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |
| 10                   | QPSK       | 1       | 1         | 17.72                 | 17.64                    | 17.72                  | 19.0                | 0.0      |

### PC2 Part27Q n78 Ant6 DSI2

| BW [MHz]             | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|----------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 63334                |            |         |           |                       |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 1       | 1         | 20.57                 |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 1       | 137       | 20.49                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 1       | 271       | 20.66                 |                          |                        |                     |          |
| 100                  | Pi/2 BPSK  | 135     | 0         | 20.56                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 135     | 69        | 20.39                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 135     | 138       | 20.58                 |                          |                        | 22.0                | 0.0      |
| 100                  | Pi/2 BPSK  | 270     | 0         | 20.46                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 1       | 1         | 20.55                 |                          |                        |                     |          |
| 100                  | QPSK       | 1       | 137       | 20.63                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 1       | 271       | 20.62                 |                          |                        |                     |          |
| 100                  | QPSK       | 135     | 0         | 20.48                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 135     | 69        | 20.74                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 135     | 138       | 20.55                 |                          |                        | 22.0                | 0.0      |
| 100                  | QPSK       | 270     | 0         | 20.54                 |                          |                        | 22.0                | 0.0      |
| 100                  | 16QAM      | 1       | 1         | 20.70                 |                          |                        | 22.0                | 0.0      |
| 100                  | 64QAM      | 1       | 1         | 20.58                 |                          |                        | 22.0                | 0.0      |
| 100                  | 256QAM     | 1       | 1         | 20.52                 |                          |                        | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 633000 633334 633668 |            |         |           |                       |                          |                        |                     |          |
| 90                   | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| 90                   | QPSK       | 1       | 1         | 20.53                 | 20.48                    | 20.37                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 632668 633334 634000 |            |         |           |                       |                          |                        |                     |          |
| 80                   | QPSK       | 1       | 1         | 3490.02               | 3500.01                  | 3510                   | Tune-up limit (dBm) | MPR (dB) |
| 80                   | QPSK       | 1       | 1         | 20.53                 | 20.40                    | 20.45                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 632000 633334 634668 |            |         |           |                       |                          |                        |                     |          |
| 60                   | QPSK       | 1       | 1         | 3480                  | 3500.01                  | 3520.02                | Tune-up limit (dBm) | MPR (dB) |
| 60                   | QPSK       | 1       | 1         | 20.59                 | 20.57                    | 20.56                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 631668 633334 635000 |            |         |           |                       |                          |                        |                     |          |
| 50                   | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |
| 50                   | QPSK       | 1       | 1         | 20.57                 | 20.56                    | 20.54                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 631334 633334 635334 |            |         |           |                       |                          |                        |                     |          |
| 40                   | QPSK       | 1       | 1         | 3470.01               | 3500.01                  | 3530.01                | Tune-up limit (dBm) | MPR (dB) |
| 40                   | QPSK       | 1       | 1         | 20.55                 | 20.46                    | 20.60                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 630668 633334 636000 |            |         |           |                       |                          |                        |                     |          |
| 20                   | QPSK       | 1       | 1         | 3460.02               | 3500.01                  | 3540                   | Tune-up limit (dBm) | MPR (dB) |
| 20                   | QPSK       | 1       | 1         | 20.54                 | 20.59                    | 20.56                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 630500 633334 636168 |            |         |           |                       |                          |                        |                     |          |
| 15                   | QPSK       | 1       | 1         | 3457.5                | 3500.01                  | 3542.52                | Tune-up limit (dBm) | MPR (dB) |
| 15                   | QPSK       | 1       | 1         | 20.43                 | 20.58                    | 20.59                  | 22.0                | 0.0      |
| Channel              |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)      |            |         |           |                       |                          |                        |                     |          |
| 630334 633334 636334 |            |         |           |                       |                          |                        |                     |          |
| 10                   | QPSK       | 1       | 1         | 3455.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |
| 10                   | QPSK       | 1       | 1         | 20.60                 | 20.37                    | 20.56                  | 22.0                | 0.0      |



| n2 Ant7 DSI2    |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 372000                | 376000                   | 380000                 |                     |          |
| Frequency (MHz) |            |         |           | 1890                  | 1890                     | 1900                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 17.45                 | 17.63                    | 17.76                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 26        | 17.65                 | 17.94                    | 17.63                  | 19.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 49        | 17.52                 | 17.77                    | 17.57                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 17.52                 | 17.91                    | 17.76                  | 19.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 13        | 17.45                 | 17.98                    | 17.73                  | 19.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 17.71                 | 17.89                    | 17.46                  |                     |          |
| 20              | PI/2 BPSK  | 50      | 0         | 17.57                 | 17.74                    | 17.75                  | 19.0                | 0.0      |
| 20              | QPSK       | 1       | 1         | 17.57                 | 18.00                    | 17.74                  |                     |          |
| 20              | QPSK       | 1       | 26        | 17.65                 | 17.85                    | 17.49                  | 19.0                | 0.0      |
| 20              | QPSK       | 1       | 49        | 17.58                 | 17.88                    | 17.74                  |                     |          |
| 20              | QPSK       | 25      | 0         | 17.57                 | 17.90                    | 17.61                  | 19.0                | 0.0      |
| 20              | QPSK       | 25      | 13        | 17.81                 | 17.95                    | 17.55                  | 19.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 17.54                 | 17.70                    | 17.80                  |                     |          |
| 20              | QPSK       | 50      | 0         | 17.53                 | 17.90                    | 17.70                  | 19.0                | 0.0      |
| 20              | 16QAM      | 1       | 1         | 17.60                 | 17.78                    | 17.62                  | 19.0                | 0.0      |
| 20              | 64QAM      | 1       | 1         | 17.54                 | 17.82                    | 17.53                  | 19.0                | 0.0      |
| 20              | 256QAM     | 1       | 1         | 16.95                 | 16.42                    | 16.37                  | 17.5                | 1.5      |
| Channel         |            |         |           | 371000                | 376000                   | 380000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1857.5                | 1890                     | 1902.5                 |                     |          |
| 15              | QPSK       | 1       | 1         | 17.50                 | 17.79                    | 17.53                  | 19.0                | 0.0      |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 1855                  | 1890                     | 1905                   |                     |          |
| 10              | QPSK       | 1       | 1         | 17.50                 | 17.88                    | 17.58                  | 19.0                | 0.0      |

| n5 Ant7 Default |            |         |           |                       |                          |                        |                     |          |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |          |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 21.68                 | 21.73                    | 21.70                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 26        | 21.52                 | 21.57                    | 21.45                  | 23.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 49        | 21.46                 | 21.54                    | 21.48                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 21.14                 | 21.23                    | 21.19                  | 22.5                | 0.5      |
| 20              | PI/2 BPSK  | 25      | 13        | 21.86                 | 21.69                    | 21.54                  | 23.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 21.09                 | 21.24                    | 21.15                  |                     |          |
| 20              | PI/2 BPSK  | 50      | 0         | 21.15                 | 21.29                    | 21.15                  | 22.5                | 0.5      |
| 20              | QPSK       | 1       | 1         | 21.71                 | 21.76                    | 21.63                  |                     |          |
| 20              | QPSK       | 1       | 26        | 21.60                 | 21.65                    | 21.57                  | 23.0                | 0.0      |
| 20              | QPSK       | 1       | 49        | 21.44                 | 21.50                    | 21.43                  |                     |          |
| 20              | QPSK       | 25      | 0         | 20.60                 | 20.75                    | 20.65                  | 22.0                | 1.0      |
| 20              | QPSK       | 25      | 13        | 21.60                 | 21.70                    | 21.62                  | 23.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 20.54                 | 20.66                    | 20.58                  |                     |          |
| 20              | QPSK       | 50      | 0         | 20.69                 | 20.73                    | 20.62                  | 22.0                | 1.0      |
| 20              | 16QAM      | 1       | 1         | 20.29                 | 20.41                    | 20.38                  | 22.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 18.78                 | 18.82                    | 18.89                  | 20.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 17.40                 | 17.52                    | 17.46                  | 18.5                | 4.5      |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |          |
| 15              | QPSK       | 1       | 1         | 21.62                 | 21.71                    | 21.53                  | 23.0                | 0.0      |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |          |
| 10              | QPSK       | 1       | 1         | 21.66                 | 21.69                    | 21.49                  | 23.0                | 0.0      |



### Part270 n77 Ant11 DSI2

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 65000                 | 66000                    | 66000                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 19.82                 | 19.92                    | 19.70                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 19.77                 | 19.98                    | 19.72                  | 20.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 19.63                 | 20.06                    | 19.69                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 19.75                 | 20.04                    | 19.84                  | 20.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 19.70                 | 19.91                    | 19.67                  | 20.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 19.61                 | 19.95                    | 19.86                  |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 19.66                 | 19.96                    | 19.66                  | 20.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 19.79                 | 20.07                    | 19.73                  |                     |          |
| 100             | QPSK       | 1       | 137       | 19.80                 | 20.09                    | 19.86                  | 20.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.65                 | 20.01                    | 19.74                  |                     |          |
| 100             | QPSK       | 135     | 0         | 19.76                 | 20.02                    | 19.80                  | 20.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.71                 | 20.03                    | 19.81                  | 20.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.67                 | 19.86                    | 19.84                  |                     |          |
| 100             | QPSK       | 270     | 0         | 19.68                 | 19.97                    | 19.81                  | 20.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.78                 | 20.01                    | 19.79                  | 20.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.74                 | 19.88                    | 19.77                  | 20.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.01                 | 19.03                    | 18.97                  | 20.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 19.60                 | 19.85                    | 19.71                  | 20.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 19.49                 | 19.69                    | 19.67                  | 20.5                | 0.0      |
| Channel         |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 19.42                 | 19.64                    | 19.60                  | 20.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 19.59                 | 19.70                    | 19.53                  | 20.5                | 0.0      |
| Channel         |            |         |           | 649000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 19.56                 | 19.71                    | 19.63                  | 20.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 19.46                 | 19.65                    | 19.57                  | 20.5                | 0.0      |
| Channel         |            |         |           | 647163                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 19.40                 | 19.73                    | 19.51                  | 20.5                | 0.0      |
| Channel         |            |         |           | 647000                | 650000                   | 650000                 | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 19.59                 | 19.69                    | 19.66                  | 20.5                | 0.0      |

### Part27Q n77 Ant11 DSI2

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 633334                |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         | 19.82                 | 20.12                    |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       | 20.05                 |                          |                        | 20.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       | 20.16                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         | 20.25                 |                          |                        | 20.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        | 20.15                 |                          |                        | 20.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       | 20.19                 |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         | 20.16                 |                          |                        | 20.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.23                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 20.32                 |                          |                        | 20.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 20.05                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.04                 |                          |                        | 20.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.25                 |                          |                        | 20.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.15                 |                          |                        | 20.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.23                 |                          |                        | 20.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.25                 |                          |                        | 20.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.12                 |                          |                        | 20.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.68                 |                          |                        | 20.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 20.05                 | 20.03                    | 20.05                  | 20.5                | 0.0      |
| Channel         |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 19.91                 | 19.96                    | 19.97                  | 20.5                | 0.0      |
| Channel         |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 19.84                 | 19.95                    | 19.86                  | 20.5                | 0.0      |
| Channel         |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 19.89                 | 19.99                    | 19.88                  | 20.5                | 0.0      |
| Channel         |            |         |           | 631334                | 633334                   | 633334                 | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 19.94                 | 19.95                    | 19.98                  | 20.5                | 0.0      |
| Channel         |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 19.84                 | 19.98                    | 20.05                  | 20.5                | 0.0      |
| Channel         |            |         |           | 630500                | 633334                   | 632169                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 20.02                 | 19.96                    | 19.99                  | 20.5                | 0.0      |
| Channel         |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 20.06                 | 19.85                    | 19.90                  | 20.5                | 0.0      |

### PC3 Part270 n78 Ant11 DSI2

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 650000                |                          |                        |                     |          |
| 100             | Pi/2 BPSK  | 1       | 1         |                       |                          | 17.83                  |                     |          |
| 100             | Pi/2 BPSK  | 1       | 137       |                       |                          | 17.77                  | 18.5                | 0.0      |
| 100             | Pi/2 BPSK  | 1       | 271       |                       |                          | 17.83                  |                     |          |
| 100             | Pi/2 BPSK  | 135     | 0         |                       |                          | 17.94                  | 18.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 69        |                       |                          | 17.84                  | 18.5                | 0.0      |
| 100             | Pi/2 BPSK  | 135     | 138       |                       |                          | 17.92                  |                     |          |
| 100             | Pi/2 BPSK  | 270     | 0         |                       |                          | 17.84                  | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 1         |                       |                          | 17.83                  |                     |          |
| 100             | QPSK       | 1       | 137       |                       |                          | 17.95                  | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 271       |                       |                          | 17.88                  |                     |          |
| 100             | QPSK       | 135     | 0         |                       |                          | 17.75                  | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 69        |                       |                          | 17.93                  | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 138       |                       |                          | 17.90                  |                     |          |
| 100             | QPSK       | 270     | 0         |                       |                          | 17.90                  | 18.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         |                       |                          | 17.79                  | 18.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         |                       |                          | 17.86                  | 18.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         |                       |                          | 17.92                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 17.79                 | 17.71                    | 17.72                  | 18.5                | 0.0      |
| Channel         |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 17.80                 | 17.71                    | 17.69                  | 18.5                | 0.0      |
| Channel         |            |         |           | 648968                | 650000                   | 651334                 | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 17.78                 | 17.73                    | 17.89                  | 18.5                | 0.0      |
| Channel         |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 17.77                 | 17.70                    | 17.80                  | 18.5                | 0.0      |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 17.80                 | 17.59                    | 17.86                  | 18.5                | 0.0      |
| Channel         |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 17.83                 | 17.69                    | 17.71                  | 18.5                | 0.0      |
| Channel         |            |         |           | 647163                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 17.91                 | 17.75                    | 17.78                  | 18.5                | 0.0      |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 17.74                 | 17.66                    | 17.84                  | 18.5                | 0.0      |



**PC2 Part270 n78 Ant11 DSI2**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 3750                  |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 20.70                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 20.87                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 20.63                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 20.72                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 20.71                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 20.76                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 20.75                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.65                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 20.80                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 20.65                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 20.70                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.72                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.67                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.70                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.55                 |                          |                        | 21.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.69                 |                          |                        | 21.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.89                 |                          |                        | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649668                | 650000                   | 650334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3755.01                | (dBm)               | (dB)     |
| 90              | QPSK       | 1       | 1         | 20.41                 | 20.46                    | 20.56                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649334                | 650000                   | 650668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3760.02                | (dBm)               | (dB)     |
| 80              | QPSK       | 1       | 1         | 20.57                 | 20.51                    | 20.51                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649668                | 650000                   | 653334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3750.02               | 3750                     | 3770.01                | (dBm)               | (dB)     |
| 60              | QPSK       | 1       | 1         | 20.49                 | 20.60                    | 20.66                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 648334                | 650000                   | 651668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3775.02                | (dBm)               | (dB)     |
| 50              | QPSK       | 1       | 1         | 20.52                 | 20.58                    | 20.53                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 649000                | 650000                   | 652000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 20.39                 | 20.45                    | 20.51                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647334                | 650000                   | 652668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3790.02                | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 20.48                 | 20.36                    | 20.69                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647163                | 650000                   | 652334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.51                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 20.46                 | 20.40                    | 20.66                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 20.43                 | 20.48                    | 20.67                  | 21.5                | 0.0      |

**PC3 Part27Q n78 Ant11 DSI2**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 17.05                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 18.94                 |                          |                        | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 17.12                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 17.18                 |                          |                        | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 17.02                 |                          |                        | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 17.02                 |                          |                        | 18.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 17.18                 |                          |                        | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 17.03                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 17.21                 |                          |                        | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 17.00                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.84                 |                          |                        | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.15                 |                          |                        | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.02                 |                          |                        | 18.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 17.04                 |                          |                        | 18.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 16.96                 |                          |                        | 18.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.09                 |                          |                        | 18.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 17.02                 |                          |                        | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90              | QPSK       | 1       | 1         | 17.07                 | 17.09                    | 16.95                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80              | QPSK       | 1       | 1         | 16.98                 | 16.91                    | 16.78                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60              | QPSK       | 1       | 1         | 17.01                 | 16.99                    | 16.81                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50              | QPSK       | 1       | 1         | 16.97                 | 17.07                    | 16.85                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 17.04                 | 17.00                    | 16.89                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 17.04                 | 16.88                    | 16.78                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 17.09                 | 17.05                    | 16.82                  | 18.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 17.04                 | 17.08                    | 16.96                  | 18.5                | 0.0      |

**PC2 Part27Q n78 Ant11 DSI2**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 3500.01               |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 1         | 19.92                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 1       | 137       | 19.78                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 1       | 271       | 19.64                 |                          |                        |                     |          |
| 100             | PI/2 BPSK  | 135     | 0         | 19.89                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 69        | 19.81                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 135     | 138       | 19.93                 |                          |                        | 21.5                | 0.0      |
| 100             | PI/2 BPSK  | 270     | 0         | 19.76                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 19.84                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 19.96                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.73                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 19.85                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.94                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.87                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.87                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.58                 |                          |                        | 21.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.88                 |                          |                        | 21.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.63                 |                          |                        | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 633000                | 633334                   | 633668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3495                  | 3500.01                  | 3505.02                | (dBm)               | (dB)     |
| 90              | QPSK       | 1       | 1         | 19.58                 | 19.69                    | 19.58                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 632668                | 633334                   | 634000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3490.02               | 3500.01                  | 3510                   | (dBm)               | (dB)     |
| 80              | QPSK       | 1       | 1         | 19.53                 | 19.60                    | 19.55                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 632000                | 633334                   | 634668                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3480                  | 3500.01                  | 3520.02                | (dBm)               | (dB)     |
| 60              | QPSK       | 1       | 1         | 19.68                 | 19.64                    | 19.63                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 631668                | 633334                   | 635000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3475.02               | 3500.01                  | 3525                   | (dBm)               | (dB)     |
| 50              | QPSK       | 1       | 1         | 19.58                 | 19.63                    | 19.63                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 631334                | 633334                   | 635334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3470.01               | 3500.01                  | 3530.01                | (dBm)               | (dB)     |
| 40              | QPSK       | 1       | 1         | 19.60                 | 19.77                    | 19.64                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630668                | 633334                   | 636000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3460.02               | 3500.01                  | 3540                   | (dBm)               | (dB)     |
| 20              | QPSK       | 1       | 1         | 19.59                 | 19.78                    | 19.51                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3457.5                | 3500.01                  | 3542.52                | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 19.55                 | 19.76                    | 19.56                  | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
|                 |            |         |           | 630334                | 633334                   | 636334                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 3455.01               | 3500.01                  | 3545.01                | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 19.61                 | 19.68                    | 19.65                  | 21.5                | 0.0      |



Reduced Power for DSI 3 for 5G NR DFT-30 for Main PA

| n2 Ant1 DSI3    |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  | Power                     | Power                   | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 372000 | Middle Ch. / Freq. 376000 | High Ch. / Freq. 380000 |                     |          |  |
| Channel         |            |         |           | 1850                   | 1850                      | 1900                    |                     |          |  |
| Frequency (MHz) |            |         |           |                        |                           |                         |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 21.71                  | 21.83                     | 21.51                   | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 21.70                  | 21.84                     | 21.50                   | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 21.61                  | 21.78                     | 21.60                   | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 0         | 21.82                  | 21.77                     | 21.40                   | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 21.81                  | 21.72                     | 21.61                   | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 21.62                  | 21.78                     | 21.43                   | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 21.68                  | 21.88                     | 21.63                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 21.81                  | 21.92                     | 21.61                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 21.59                  | 21.75                     | 21.59                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 21.61                  | 21.84                     | 21.61                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 0         | 21.64                  | 21.72                     | 21.59                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 13        | 21.75                  | 21.90                     | 21.41                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 21.67                  | 21.85                     | 21.54                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 50      | 0         | 21.55                  | 21.67                     | 21.56                   | 23.0                | 0.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.64                  | 21.75                     | 21.60                   | 23.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.31                  | 20.31                     | 20.16                   | 21.5                | 1.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.26                  | 18.37                     | 18.03                   | 19.5                | 3.5      |  |
| Channel         |            |         |           | 371900                 | 376000                    | 380500                  | Tune-up limit (dB)  | MPR      |  |
| Frequency (MHz) |            |         |           | 1837.5                 | 1850                      | 1920.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 21.71                  | 21.71                     | 21.50                   | 23.0                | 0.0      |  |
| Channel         |            |         |           | 371000                 | 376000                    | 381000                  | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz) |            |         |           | 1855                   | 1880                      | 1905                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 21.64                  | 21.82                     | 21.61                   | 23.0                | 0.0      |  |

| n5 Ant1 Default |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  | Power                     | Power                   | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 166800 | Middle Ch. / Freq. 167300 | High Ch. / Freq. 167800 |                     |          |  |
| Channel         |            |         |           | 834                    | 836.5                     | 839                     |                     |          |  |
| Frequency (MHz) |            |         |           |                        |                           |                         |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.00                  | 23.05                     | 22.84                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.90                  | 23.00                     | 22.88                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.84                  | 22.96                     | 22.84                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.57                  | 22.62                     | 22.55                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.91                  | 23.06                     | 23.02                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.43                  | 22.54                     | 22.46                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.54                  | 22.63                     | 22.54                   | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 23.04                  | 23.14                     | 23.10                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 22.93                  | 23.04                     | 22.99                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.79                  | 22.90                     | 22.84                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 0         | 22.10                  | 22.16                     | 22.13                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.95                  | 23.06                     | 22.95                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 22.00                  | 22.03                     | 22.00                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 22.06                  | 22.11                     | 21.97                   | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.69                  | 21.76                     | 21.70                   | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.14                  | 20.19                     | 20.15                   | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63                  | 18.75                     | 18.69                   | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                 | 167300                    | 168300                  | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz) |            |         |           | 831.5                  | 836.5                     | 841.5                   |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.98                  | 23.08                     | 23.03                   | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                 | 167300                    | 168800                  | Tune-up limit (dBm) | MPR      |  |
| Frequency (MHz) |            |         |           | 829                    | 836.5                     | 844                     |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.90                  | 23.01                     | 22.96                   | 24.0                | 0.0      |  |



### n7 Ant2 Default

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 50200                 | 50700                    | 51200                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.92                 | 23.02                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 26        | 22.81                 | 22.96                    | 22.84                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 49        | 22.87                 | 22.91                    | 22.78                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 22.38                 | 22.52                    | 22.47                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 25      | 13        | 22.97                 | 23.01                    | 22.95                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 22.50                 | 22.54                    | 22.40                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.45                 | 22.58                    | 22.48                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.97                 | 23.05                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 26        | 22.92                 | 23.02                    | 22.88                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.88                 | 22.94                    | 22.85                  |                     |          |
| 20              | QPSK       | 25      | 0         | 21.98                 | 22.01                    | 21.91                  | 23.0                | 1.0      |
| 20              | QPSK       | 25      | 13        | 22.98                 | 23.03                    | 22.91                  | 24.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 21.98                 | 22.07                    | 21.96                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 22.02                 | 22.11                    | 21.97                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.53                 | 21.64                    | 21.49                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.22                 | 20.28                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.83                 | 18.85                    | 18.72                  | 19.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.89                 | 23.00                    | 22.88                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.83                 | 22.98                    | 22.84                  | 24.0                | 0.0      |



### n38 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 2560.02         | 2565               | 2569.98          |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 22.28           | 22.30              | 22.32            |                     |          |
| 40              | PI2 BPSK   | 1       | 53        | 22.97           | 23.07              | 22.92            | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 104       | 22.49           | 22.56              | 22.50            |                     |          |
| 40              | PI2 BPSK   | 50      | 0         | 22.34           | 22.48              | 22.45            | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 50      | 28        | 22.95           | 23.07              | 22.93            | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 50      | 56        | 22.33           | 22.36              | 22.24            |                     |          |
| 40              | PI2 BPSK   | 100     | 0         | 22.37           | 22.49              | 22.37            | 23.5                | 0.5      |
| 40              | QPSK       | 1       | 1         | 22.33           | 22.44              | 22.41            |                     |          |
| 40              | QPSK       | 1       | 53        | 23.07           | 23.11              | 23.02            | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 104       | 22.49           | 22.53              | 22.44            |                     |          |
| 40              | QPSK       | 50      | 0         | 21.75           | 21.90              | 21.82            | 23.0                | 1.0      |
| 40              | QPSK       | 50      | 28        | 22.92           | 23.03              | 22.96            | 24.0                | 0.0      |
| 40              | QPSK       | 50      | 56        | 21.78           | 21.87              | 21.77            |                     |          |
| 40              | QPSK       | 100     | 0         | 21.83           | 21.95              | 21.86            | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 21.08           | 21.16              | 21.05            | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 19.73           | 19.83              | 19.75            | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.34           | 18.42              | 18.32            | 19.5                | 4.5      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5170.02         | 5180               | 5190.98          | Tune-up limit (dBm) | MPR (dB) |
| 30              | QPSK       | 1       | 1         | 23.01           | 22.99              | 22.97            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5180.04         | 5190               | 5200.96          | Tune-up limit (dBm) | MPR (dB) |
| 25              | QPSK       | 1       | 1         | 22.97           | 22.97              | 22.98            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5190.00         | 5190               | 5200.00          | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 23.02           | 23.00              | 22.93            | 19.0                | 2.5      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5190.02         | 5190               | 5200.98          | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 23.03           | 23.04              | 22.96            | 19.0                | 2.5      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5200.02         | 5205               | 5214.98          | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 22.99           | 23.08              | 22.90            | 19.0                | 4.5      |

### n41 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 2560.01         | 2572.99            | 2580             |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.02           | 22.08              | 22.03            |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 23.06           | 23.09              | 22.99            | 24.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.01           | 22.10              | 22.04            |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.35           | 22.38              | 22.27            | 23.5                | 0.5      |
| 100             | PI2 BPSK   | 135     | 69        | 23.07           | 23.16              | 23.13            | 24.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.26           | 22.37              | 22.24            |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.32           | 22.44              | 22.35            | 23.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.03           | 22.11              | 22.07            |                     |          |
| 100             | QPSK       | 1       | 137       | 23.16           | 23.21              | 22.96            | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.10           | 22.14              | 22.11            |                     |          |
| 100             | QPSK       | 135     | 0         | 21.83           | 21.90              | 21.85            | 23.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.01           | 23.12              | 23.09            | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.74           | 21.87              | 21.74            |                     |          |
| 100             | QPSK       | 270     | 0         | 21.81           | 21.95              | 21.84            | 23.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.18           | 21.23              | 21.13            | 23.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.68           | 19.74              | 19.66            | 21.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 18.23           | 18.31              | 18.26            | 19.5                | 4.5      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 2641            | 2652.99            | 2664.98          | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 23.05           | 23.08              | 22.93            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 3072.04         | 3100               | 3200.96          | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 23.08           | 23.17              | 22.89            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5050.00         | 5100               | 5319.99          | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 23.05           | 23.10              | 22.93            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5050.04         | 5100               | 5309.96          | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 23.11           | 23.13              | 22.94            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 2501.01         | 2502.99            | 2670             | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 23.01           | 23.08              | 22.86            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5020.00         | 5100               | 5309.99          | Tune-up limit (dBm) | MPR (dB) |
| 30              | QPSK       | 1       | 1         | 23.04           | 23.06              | 22.85            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5012.04         | 5100               | 5309.96          | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 23.12           | 23.09              | 22.84            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 5007.00         | 5100               | 5309.99          | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 23.03           | 23.18              | 22.84            | 24.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 2501.01         | 2502.99            | 2685             | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 23.12           | 23.15              | 22.86            | 24.0                | 0.0      |

### Part270 n77 Ant2 DS13

| BW (MHz)        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 3750            | 3840               | 3930             |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.26           | 19.63              | 19.59            |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 19.20           | 19.76              | 19.58            | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.36           | 19.82              | 19.84            |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 19.40           | 19.65              | 19.70            | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 19.37           | 19.75              | 19.73            | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 19.19           | 19.71              | 19.52            |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 19.35           | 19.81              | 19.62            | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 19.39           | 19.80              | 19.72            |                     |          |
| 100             | QPSK       | 1       | 137       | 19.30           | 19.82              | 19.74            | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.25           | 19.72              | 19.60            |                     |          |
| 100             | QPSK       | 135     | 0         | 19.23           | 19.65              | 19.75            | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.20           | 19.78              | 19.62            | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.25           | 19.64              | 19.72            |                     |          |
| 100             | QPSK       | 270     | 0         | 19.25           | 19.75              | 19.54            | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.25           | 19.67              | 19.64            | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.46           | 19.53              | 19.40            | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.22           | 19.40              | 19.33            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 3745.02         | 3840               | 3935.01          | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 19.32           | 19.76              | 19.59            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 648334          | 650000             | 660000           | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 19.20           | 19.81              | 19.68            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 648668          | 650000             | 663334           | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 19.23           | 19.79              | 19.65            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 648334          | 650000             | 663668           | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 19.26           | 19.70              | 19.59            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 3790            | 3840               | 3960             | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 19.19           | 19.80              | 19.70            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 647334          | 650000             | 660000           | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 19.32           | 19.70              | 19.60            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 647168          | 650000             | 664834           | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 19.29           | 19.72              | 19.61            | 20.0                | 0.0      |
| Channel         |            |         |           |                 |                    |                  |                     |          |
| Frequency (MHz) |            |         |           | 647000          | 650000             | 665000           | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 19.28           | 19.69              | 19.58            | 20.0                | 0.0      |





**Part27Q n77 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.43                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 19.47                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.42                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 19.51                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 19.40                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.50                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 19.53                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.47                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 19.49                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.56                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.41                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.50                 |                          |                        | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.42                 |                          |                        | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.44                 |                          |                        | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 19.38                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 19.34                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 19.23                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 19.20                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 19.20                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 19.27                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 19.13                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 19.38                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |

**PC3 Part27O n78 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.55                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.07                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.60                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.15                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.27                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.17                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 20.22                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.59                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 20.41                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.54                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 19.93                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.38                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.04                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.09                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.76                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.82                 |                          |                        | 21.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.86                 |                          |                        | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 20.16                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 20.23                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 20.19                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 20.11                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 20.14                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 20.13                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 20.29                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 20.11                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |

**PC2 Part27O n78 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.61                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.41                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.81                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.71                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.36                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.70                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.95                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.53                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 22.20                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.74                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.84                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.34                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.88                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.90                 |                          |                        | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.79                 |                          |                        | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.85                 |                          |                        | 23.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.61                 |                          |                        | 22.5                | 1.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 22.10                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 22.27                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 22.22                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 22.20                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 22.29                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 22.28                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 22.20                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 22.29                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |



| PC3 Part27Q n78 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 1         | 19.53                 | 350.01                   | 350.01                 |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 137       | 20.27                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 1       | 271       | 19.53                 |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 135     | 0         | 19.55                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 69        | 20.16                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 138       | 19.74                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 270     | 0         | 19.87                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         | 19.59                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 20.35                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 19.62                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 19.81                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 20.25                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       | 20.13                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 20.07                 |                          |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 20.12                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | 16QAM      | 1       | 1         | 19.82                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         | 19.57                 |                          |                        | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 20.05                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 20.09                 | 350.01                   | 351.0                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 20.05                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 20.12                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 20.14                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 20.11                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 20.07                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 20.13                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |

| PC2 Part27Q n78 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 1         | 21.57                 | 350.01                   | 350.01                 |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 137       | 22.03                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 1       | 271       | 21.56                 |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 135     | 0         | 21.77                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 69        | 21.96                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 138       | 21.81                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 270     | 0         | 21.55                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         | 21.85                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 22.16                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 21.71                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 21.70                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 22.15                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       | 21.86                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 21.85                 |                          |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 22.10                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | 16QAM      | 1       | 1         | 21.83                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         | 20.99                 |                          |                        | 23.5                | 1.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 21.55                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 21.62                 | 350.01                   | 351.0                  | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 21.59                 | 350.01                   | 350.02                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 21.58                 | 350.01                   | 350.02                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 21.53                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 21.62                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 21.71                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 21.85                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |



### Part270 n77 Ant4 DSI3

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 650000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.63                        | 20.74                           | 20.95                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.66                        | 20.75                           | 20.56                         | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.78                        | 20.90                           | 20.52                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.70                        | 20.86                           | 20.90                         | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.61                        | 20.76                           | 20.83                         | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.59                        | 20.76                           | 20.48                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.72                        | 20.82                           | 20.54                         | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.72                        | 20.82                           | 20.54                         |                     |          |
| 100             | QPSK       | 1       | 137       | 20.78                        | 20.92                           | 20.70                         |                     |          |
| 100             | QPSK       | 1       | 271       | 20.77                        | 20.70                           | 20.51                         | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.77                        | 20.80                           | 20.69                         | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.58                        | 20.69                           | 20.55                         | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.69                        | 20.86                           | 20.71                         |                     |          |
| 100             | QPSK       | 270     | 0         | 20.77                        | 20.80                           | 20.65                         | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.80                        | 20.84                           | 20.60                         | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.74                        | 20.73                           | 20.67                         | 21.0                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 18.05                        | 19.13                           | 19.06                         | 21.0                | 1.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 20.68                        | 20.84                           | 20.54                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68                        | 20.84                           | 20.54                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68                        | 20.84                           | 20.54                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 20.65                        | 20.67                           | 20.71                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 20.77                        | 20.71                           | 20.58                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 20.73                        | 20.86                           | 20.66                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 20.74                        | 20.74                           | 20.68                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 20.72                        | 20.75                           | 20.66                         | 21.0                | 0.0      |

### Part27Q n77 Ant4 DSI3

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 633000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 633668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.08                        |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.13                        |                                 |                               | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.12                        |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.19                        |                                 |                               | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.20                        |                                 |                               | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.07                        |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.12                        |                                 |                               | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.18                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 137       | 20.22                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 271       | 20.02                        |                                 |                               | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.03                        |                                 |                               | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.13                        |                                 |                               | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.11                        |                                 |                               |                     |          |
| 100             | QPSK       | 270     | 0         | 20.10                        |                                 |                               | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.00                        |                                 |                               | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.18                        |                                 |                               | 21.0                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 19.52                        |                                 |                               | 21.0                | 1.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 19.91                        | 19.95                           | 20.09                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 19.95                        | 19.92                           | 19.93                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 19.95                        | 19.97                           | 19.96                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 19.98                        | 20.13                           | 20.08                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 20.04                        | 20.04                           | 20.11                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 20.11                        | 20.04                           | 20.00                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 19.99                        | 19.98                           | 20.14                         | 21.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 19.93                        | 20.14                           | 20.00                         | 21.0                | 0.0      |

### PC3 Part270 n78 Ant4 DSI3

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 650000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 18.85                        |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 18.81                        |                                 |                               | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 18.79                        |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 18.90                        |                                 |                               | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 18.88                        |                                 |                               | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 18.99                        |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 18.84                        |                                 |                               | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 18.98                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 137       | 19.00                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 271       | 18.93                        |                                 |                               | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 18.80                        |                                 |                               | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.96                        |                                 |                               | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.90                        |                                 |                               |                     |          |
| 100             | QPSK       | 270     | 0         | 18.83                        |                                 |                               | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.82                        |                                 |                               | 19.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.81                        |                                 |                               | 19.5                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 18.97                        |                                 |                               | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 18.74                        | 18.73                           | 18.82                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 18.65                        | 18.67                           | 18.74                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 18.63                        | 18.74                           | 18.83                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 18.74                        | 18.66                           | 18.80                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 18.61                        | 18.84                           | 18.72                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 18.62                        | 18.84                           | 18.67                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 18.77                        | 18.74                           | 18.60                         | 19.5                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 18.84                        | 18.61                           | 18.72                         | 19.5                | 0.0      |



**PC2 Part270 n78 Ant4 DSI3**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.74                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.77                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.70                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.72                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.73                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 21.71                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.72                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.69                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 21.88                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.69                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.75                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.85                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.72                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 21.74                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.74                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.70                 |                          |                        | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.86                 |                          |                        | 22.0                | 0.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.69                 | 21.49                    | 21.42                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.69                 | 21.49                    | 21.49                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.57                 | 21.48                    | 21.52                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.68                 | 21.61                    | 21.59                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.61                 | 21.67                    | 21.53                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.56                 | 21.69                    | 21.57                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.55                 | 21.55                    | 21.49                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.67                 | 21.56                    | 21.66                  | 22.5                | 0.0      |

**PC3 Part27Q n78 Ant4 DSI3**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 18.50                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 18.59                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 18.44                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 18.27                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 18.21                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 18.69                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 18.50                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 18.68                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 18.80                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 18.69                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.45                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.73                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.72                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 18.50                 |                          |                        | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.51                 |                          |                        | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.60                 |                          |                        | 19.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.67                 |                          |                        | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 18.49                 | 18.32                    | 18.49                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 18.30                 | 18.38                    | 18.32                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 18.43                 | 18.31                    | 18.36                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 18.52                 | 18.31                    | 18.37                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 18.34                 | 18.49                    | 18.36                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 18.31                 | 18.47                    | 18.43                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 18.30                 | 18.52                    | 18.48                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 18.37                 | 18.31                    | 18.33                  | 19.5                | 0.0      |

**PC2 Part27Q n78 Ant4 DSI3**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.82                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.74                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.79                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 21.77                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.76                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.93                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 22.04                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.92                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.79                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.81                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 21.80                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.91                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.93                 |                          |                        | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.79                 |                          |                        | 22.0                | 0.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.71                 | 21.63                    | 21.71                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.64                 | 21.63                    | 21.64                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.63                 | 21.64                    | 21.61                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.75                 | 21.70                    | 21.67                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.71                 | 21.73                    | 21.64                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.74                 | 21.69                    | 21.80                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.61                 | 21.75                    | 21.62                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.75                 | 21.71                    | 21.64                  | 22.5                | 0.0      |



### Part27Q n77 Ant6 DS13

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 656000] | Power High Ch. [Freq. 662000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.07                        | 22.06                           | 22.04                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.90                        | 21.98                           | 22.03                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.87                        | 22.00                           | 22.11                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.90                        | 22.06                           | 22.10                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.06                        | 22.04                           | 22.06                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.86                        | 22.08                           | 22.02                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                        | 22.12                           | 22.06                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.90                        | 22.04                           | 22.08                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.06                        | 22.16                           | 22.12                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.90                        | 22.01                           | 21.93                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.98                        | 21.93                           | 22.05                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.91                        | 22.08                           | 21.97                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.91                        | 21.93                           | 21.94                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.00                        | 22.05                           | 22.04                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.00                        | 22.11                           | 22.06                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.51                        | 19.53                           | 19.58                         | 21.5                | 1.5      |
| 100             | Z96QAM     | 1       | 1         | 18.15                        | 18.33                           | 18.15                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.88                        | 22.00                           | 22.12                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.88                        | 22.11                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.93                        | 21.99                           | 22.08                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.88                        | 22.05                           | 22.14                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 22.03                        | 22.14                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.99                        | 22.13                           | 22.05                         | 23.0                | 0.0      |

### Part27Q n77 Ant6 DS13

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 630000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 636668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.26                        | 22.26                           | 22.26                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.17                        | 22.17                           | 22.17                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.19                        | 22.19                           | 22.19                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.14                        | 22.14                           | 22.14                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 22.32                        | 22.32                           | 22.32                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.36                        | 22.36                           | 22.36                         |                     |          |
| 100             | QPSK       | 1       | 271       | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.90                        | 21.90                           | 21.90                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.83                        | 21.83                           | 21.83                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.22                        | 21.22                           | 21.22                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.62                        | 19.62                           | 19.62                         | 21.5                | 1.5      |
| 100             | Z96QAM     | 1       | 1         | 18.16                        | 18.16                           | 18.16                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 22.02                        | 22.02                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.99                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 22.04                        | 21.99                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 22.13                        | 21.95                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 22.09                        | 22.04                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.99                        | 22.10                           | 21.99                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 22.12                        | 21.95                           | 21.95                         | 23.0                | 0.0      |

### PC3 Part27Q n78 Ant6 DS13

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 648668] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 651334] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.03                        | 21.03                           | 21.03                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.51                        | 21.51                           | 21.51                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.51                        | 21.51                           | 21.51                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.70                        | 21.70                           | 21.70                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.81                        | 21.81                           | 21.81                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.87                        | 21.87                           | 21.87                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.54                        | 21.54                           | 21.54                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.48                        | 21.48                           | 21.48                         |                     |          |
| 100             | QPSK       | 1       | 137       | 21.73                        | 21.73                           | 21.73                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.88                        | 21.88                           | 21.88                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.81                        | 21.81                           | 21.81                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.85                        | 21.85                           | 21.85                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.81                        | 21.81                           | 21.81                         |                     |          |
| 100             | QPSK       | 270     | 0         | 21.80                        | 21.80                           | 21.80                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.87                        | 21.87                           | 21.87                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                        | 21.70                           | 21.70                         | 23.0                | 0.0      |
| 100             | Z96QAM     | 1       | 1         | 20.54                        | 20.54                           | 20.54                         | 22.5                | 0.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.59                        | 21.51                           | 21.45                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.59                        | 21.62                           | 21.54                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.59                        | 21.62                           | 21.54                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.56                        | 21.42                           | 21.46                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.58                        | 21.60                           | 21.57                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.60                        | 21.45                           | 21.41                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.55                        | 21.58                           | 21.51                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                        | 21.44                           | 21.57                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.41                        | 21.40                           | 21.59                         | 23.0                | 0.0      |



**PC2 Part270 n78 Ant6 DSI3**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.28                 | 24.28                    | 24.28                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 24.50                 | 24.50                    | 24.50                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 24.63                 | 24.63                    | 24.63                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.32                 | 24.32                    | 24.32                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.50                 | 24.50                    | 24.50                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 24.56                 | 24.56                    | 24.56                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 24.44                 | 24.44                    | 24.44                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.54                 | 24.54                    | 24.54                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 24.63                 | 24.63                    | 24.63                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.65                 | 24.65                    | 24.65                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.48                 | 24.48                    | 24.48                  | 26.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.22                 | 24.22                    | 24.22                  | 26.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.55                 | 22.55                    | 22.55                  | 24.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.51                 | 20.51                    | 20.51                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.40                 | 24.28                    | 24.42                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.29                 | 24.45                    | 24.47                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.33                 | 24.37                    | 24.44                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.30                 | 24.43                    | 24.44                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.30                 | 24.43                    | 24.32                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.36                 | 24.31                    | 24.34                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.44                 | 24.42                    | 24.45                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.31                 | 24.26                    | 24.43                  | 26.0                | 0.0      |

**PC3 Part27Q n78 Ant6 DSI3**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.63                 | 21.63                    | 21.63                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.65                 | 21.65                    | 21.65                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.75                 | 21.75                    | 21.75                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.66                 | 21.66                    | 21.66                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.55                 | 21.55                    | 21.55                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.58                 | 21.58                    | 21.58                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.73                 | 21.73                    | 21.73                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.74                 | 21.74                    | 21.74                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 21.76                 | 21.76                    | 21.76                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.58                 | 21.58                    | 21.58                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.65                 | 21.65                    | 21.65                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.68                 | 21.68                    | 21.68                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.84                 | 21.84                    | 21.84                  | 23.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.57                 | 21.57                    | 21.57                  | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.74                 | 21.74                    | 21.74                  | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.62                 | 21.62                    | 21.62                  | 23.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.63                 | 20.63                    | 20.63                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.35                 | 21.58                    | 21.39                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.58                 | 21.53                    | 21.57                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.48                 | 21.50                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.55                 | 21.52                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.59                 | 21.57                    | 21.42                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.41                 | 21.53                    | 21.46                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                 | 21.49                    | 21.41                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.49                 | 21.47                    | 21.47                  | 23.0                | 0.0      |

**PC2 Part27Q n78 Ant6 DSI3**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.58                 | 24.58                    | 24.58                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 24.49                 | 24.49                    | 24.49                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 24.51                 | 24.51                    | 24.51                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.71                 | 24.71                    | 24.71                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.73                 | 24.73                    | 24.73                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.48                 | 24.48                    | 24.48                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 24.66                 | 24.66                    | 24.66                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.70                 | 24.70                    | 24.70                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 24.61                 | 24.61                    | 24.61                  | 26.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.56                 | 24.56                    | 24.56                  | 26.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.66                 | 22.66                    | 22.66                  | 24.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.55                 | 20.55                    | 20.55                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.45                 | 24.60                    | 24.52                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.43                 | 24.46                    | 24.46                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.55                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.60                 | 24.44                    | 24.45                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.59                 | 24.41                    | 24.35                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.60                 | 24.39                    | 24.38                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.47                 | 24.53                    | 24.53                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.40                 | 24.55                    | 24.41                  | 26.0                | 0.0      |



| n2 Ant7 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 37200           | 37600              | 38000            |                     |          |  |
| Frequency (MHz) |            |         |           | 1890            | 1890               | 1900             |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.72           | 20.75              | 20.62            | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 20.63           | 20.71              | 20.64            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 20.55           | 20.68              | 20.58            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 20.03           | 20.18              | 20.07            | 21.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 20.70           | 20.73              | 20.63            | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 20.08           | 20.20              | 20.08            | 21.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.20           | 20.27              | 20.15            |                     |          |  |
| 20              | QPSK       | 1       | 1         | 20.76           | 20.83              | 20.71            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 20.69           | 20.79              | 20.73            | 22.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 20.52           | 20.58              | 20.55            | 21.0                | 1.0      |  |
| 20              | QPSK       | 25      | 0         | 19.98           | 19.71              | 19.67            |                     |          |  |
| 20              | QPSK       | 25      | 13        | 20.68           | 20.76              | 20.73            |                     |          |  |
| 20              | QPSK       | 25      | 26        | 19.68           | 19.68              | 19.57            | 21.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 19.61           | 19.72              | 19.59            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 19.41           | 19.48              | 19.41            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 18.08           | 18.14              | 18.03            | 19.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 16.61           | 16.68              | 16.54            | 17.5                | 4.5      |  |
| Channel         |            |         |           | 371500          | 376000             | 380500           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5          | 1890               | 1902.5           |                     |          |  |
| 15              | QPSK       | 1       | 1         | 20.65           | 20.80              | 20.57            | 22.0                | 0.0      |  |
| Channel         |            |         |           | 371000          | 376000             | 381000           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855            | 1890               | 1905             |                     |          |  |
| 10              | QPSK       | 1       | 1         | 20.68           | 20.71              | 20.63            | 22.0                | 0.0      |  |

| n5 Ant7 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 16800           | 167300             | 167800           |                     |          |  |
| Frequency (MHz) |            |         |           | 834             | 836.5              | 839              |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 21.68           | 21.73              | 21.70            | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 21.52           | 21.57              | 21.45            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 21.46           | 21.54              | 21.48            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 21.14           | 21.23              | 21.19            | 22.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 21.66           | 21.69              | 21.54            | 22.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 21.09           | 21.24              | 21.15            |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 21.15           | 21.29              | 21.15            |                     |          |  |
| 20              | QPSK       | 1       | 1         | 21.71           | 21.76              | 21.63            | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 21.60           | 21.65              | 21.57            |                     |          |  |
| 20              | QPSK       | 1       | 49        | 21.44           | 21.50              | 21.43            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 20.60           | 20.75              | 20.65            | 22.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 21.60           | 21.70              | 21.62            | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 20.54           | 20.66              | 20.58            |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.69           | 20.73              | 20.62            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.29           | 20.41              | 20.38            | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.78           | 18.82              | 18.89            | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 17.40           | 17.52              | 17.46            | 18.5                | 4.5      |  |
| Channel         |            |         |           | 168300          | 167300             | 168300           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5           | 836.5              | 841.5            |                     |          |  |
| 15              | QPSK       | 1       | 1         | 21.62           | 21.71              | 21.53            | 23.0                | 0.0      |  |
| Channel         |            |         |           | 165800          | 167300             | 168800           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829             | 836.5              | 844              |                     |          |  |
| 10              | QPSK       | 1       | 1         | 21.66           | 21.69              | 21.49            | 23.0                | 0.0      |  |



### Part270 n77 Ant11 DSI3

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 656000] | Power High Ch. [Freq. 662000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.37                        | 19.47                           | 19.54                         |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.48                        | 19.38                           | 19.20                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.32                        | 19.46                           | 19.36                         |                     |          |
| 100             | Pi2 BPSK   | 136     | 0         | 19.40                        | 19.52                           | 19.22                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 69        | 19.38                        | 19.34                           | 19.35                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 138       | 19.31                        | 19.41                           | 19.20                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.48                        | 19.45                           | 19.34                         |                     |          |
| 100             | QPSK       | 1       | 1         | 19.32                        | 19.52                           | 19.36                         |                     |          |
| 100             | QPSK       | 1       | 137       | 19.53                        | 19.37                           | 19.39                         | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.51                        | 19.49                           | 19.25                         |                     |          |
| 100             | QPSK       | 136     | 0         | 19.36                        | 19.45                           | 19.22                         | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 69        | 19.46                        | 19.51                           | 19.26                         | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 138       | 19.48                        | 19.34                           | 19.33                         | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.33                        | 19.43                           | 19.30                         |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.44                        | 19.56                           | 19.22                         | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.43                        | 19.40                           | 19.37                         | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.57                        | 19.62                           | 19.78                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 19.37                        | 19.56                           | 19.28                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 19.33                        | 19.51                           | 19.29                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 19.45                        | 19.40                           | 19.35                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 19.36                        | 19.53                           | 19.28                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 19.42                        | 19.52                           | 19.21                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 30              | QPSK       | 1       | 1         | 19.53                        | 19.33                           | 19.35                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 25              | QPSK       | 1       | 1         | 19.51                        | 19.42                           | 19.22                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 19.31                        | 19.50                           | 19.27                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 19.45                        | 19.41                           | 19.21                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 19.44                        | 19.45                           | 19.30                         | 20.0                | 0.0      |

### Part27Q n77 Ant11 DSI3

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 630000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 636668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.83                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.85                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.81                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 136     | 0         | 19.73                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 69        | 19.80                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 138       | 19.86                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.81                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 1         | 19.85                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 137       | 19.90                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.82                        |                                 |                               |                     |          |
| 100             | QPSK       | 136     | 0         | 19.71                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 69        | 19.83                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 138       | 19.77                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.71                        |                                 |                               |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.85                        |                                 |                               | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.75                        |                                 |                               | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.83                        |                                 |                               | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 19.57                        | 19.66                           | 19.69                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 19.61                        | 19.57                           | 19.79                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 19.72                        | 19.75                           | 19.74                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 19.71                        | 19.56                           | 19.89                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 19.74                        | 19.66                           | 19.73                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 19.67                        | 19.77                           | 19.86                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 19.62                        | 19.58                           | 19.62                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 19.77                        | 19.75                           | 19.72                         | 20.0                | 0.0      |

### PC3 Part270 n78 Ant11 DSI3

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 648668] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 651334] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 18.34                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 18.37                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 18.38                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 136     | 0         | 18.47                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 69        | 18.34                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 138       | 18.25                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 18.39                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 1         | 18.32                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 137       | 18.50                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 18.38                        |                                 |                               |                     |          |
| 100             | QPSK       | 136     | 0         | 18.27                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 136     | 69        | 18.42                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 136     | 138       | 18.34                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 18.31                        |                                 |                               |                     |          |
| 100             | 16QAM      | 1       | 1         | 18.36                        |                                 |                               | 19.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.44                        |                                 |                               | 19.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.36                        |                                 |                               | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 18.29                        | 18.34                           | 18.32                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 18.28                        | 18.35                           | 18.16                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 18.18                        | 18.18                           | 18.23                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 18.21                        | 18.29                           | 18.20                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 18.21                        | 18.26                           | 18.14                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 18.27                        | 18.33                           | 18.21                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 18.27                        | 18.13                           | 18.25                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 18.33                        | 18.15                           | 18.23                         | 19.0                | 0.0      |





| PC2 Part270 n78 Ant11 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 20.82                 | 20.82                    | 20.82                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 21.09                 | 21.09                    | 21.09                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 21.08                 | 21.08                    | 21.08                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 21.07                 | 21.07                    | 21.07                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 20.99                 | 20.99                    | 20.99                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 20.98                 | 20.98                    | 20.98                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 20.97                 | 20.97                    | 20.97                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 21.13                 | 21.13                    | 21.13                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 21.04                 | 21.04                    | 21.04                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 20.94                 | 20.94                    | 20.94                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 21.08                 | 21.08                    | 21.08                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 21.01                 | 21.01                    | 21.01                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 20.82                 | 20.82                    | 20.82                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 3745.02               | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3720.02               | 3750                     | 3780.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 3740.01               | 3750                     | 3760.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 30                         | QPSK       | 1       | 1         | 64834                 | 65000                    | 65168                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 3725.01               | 3750                     | 3775.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 20.82                 | 20.82                    | 20.82                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 64734                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |  |

| PC3 Part27Q n78 Ant11 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 17.57                 | 17.57                    | 17.57                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 17.44                 | 17.44                    | 17.44                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 17.48                 | 17.48                    | 17.48                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 17.76                 | 17.76                    | 17.76                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 17.49                 | 17.49                    | 17.49                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 17.38                 | 17.38                    | 17.38                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 17.54                 | 17.54                    | 17.54                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 17.47                 | 17.47                    | 17.47                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 17.79                 | 17.79                    | 17.79                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 17.47                 | 17.47                    | 17.47                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 17.53                 | 17.53                    | 17.53                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 17.63                 | 17.63                    | 17.63                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 17.64                 | 17.64                    | 17.64                  | 19.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 63008                 | 63334                    | 63668                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 63168                 | 63334                    | 63500                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 30                         | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 3475                  | 3500.01                  | 3525.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 63034                 | 63334                    | 63634                  | Tune-up limit (dBm) | MPR (dB) |  |

| PC2 Part27Q n78 Ant11 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 20.08                 | 20.08                    | 20.08                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 20.25                 | 20.25                    | 20.25                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 20.04                 | 20.04                    | 20.04                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 20.02                 | 20.02                    | 20.02                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 20.15                 | 20.15                    | 20.15                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 20.25                 | 20.25                    | 20.25                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 20.08                 | 20.08                    | 20.08                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 20.12                 | 20.12                    | 20.12                  | 22.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 20.34                 | 20.34                    | 20.34                  | 22.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 63000                 | 63334                    | 63668                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 63168                 | 63334                    | 63500                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 30                         | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 3475                  | 3500.01                  | 3525.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 63034                 | 63334                    | 63634                  | Tune-up limit (dBm) | MPR (dB) |  |



Reduced Power for DSI 4 for 5G NR DFT-30 for Main PA

| n2 Ant1 Default |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  | Power                     | Power                   | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 372000 | Middle Ch. / Freq. 376000 | High Ch. / Freq. 380000 |                     |          |  |
| Channel         |            |         |           | 1950                   | 1950                      | 1950                    |                     |          |  |
| Frequency (MHz) |            |         |           | 22.78                  | 22.82                     | 22.70                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 22.78                  | 22.82                     | 22.70                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.59                  | 22.73                     | 22.65                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.63                  | 22.68                     | 22.56                   |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.16                  | 22.31                     | 22.20                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.77                  | 22.81                     | 22.73                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.11                  | 22.23                     | 22.15                   |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.20                  | 22.29                     | 22.24                   | 23.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 22.83                  | 22.88                     | 22.78                   |                     |          |  |
| 20              | QPSK       | 1       | 26        | 22.73                  | 22.76                     | 22.64                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.63                  | 22.71                     | 22.58                   |                     |          |  |
| 20              | QPSK       | 25      | 0         | 21.68                  | 21.78                     | 21.71                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.74                  | 22.85                     | 22.78                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 21.59                  | 21.74                     | 21.62                   |                     |          |  |
| 20              | QPSK       | 50      | 0         | 21.74                  | 21.81                     | 21.75                   | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.43                  | 21.51                     | 21.44                   | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.12                  | 20.16                     | 20.08                   | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63                  | 18.70                     | 18.57                   | 19.5                | 4.5      |  |
| Channel         |            |         |           | 371500                 | 376000                    | 380500                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5                 | 1860                      | 1820.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.76                  | 22.85                     | 22.70                   | 24.0                | 0.0      |  |
| Channel         |            |         |           | 371000                 | 376000                    | 381000                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                   | 1880                      | 1905                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.79                  | 22.81                     | 22.64                   | 24.0                | 0.0      |  |

| n5 Ant1 Default |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  | Power                     | Power                   | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 166800 | Middle Ch. / Freq. 167300 | High Ch. / Freq. 167800 |                     |          |  |
| Channel         |            |         |           | 834                    | 836.5                     | 839                     |                     |          |  |
| Frequency (MHz) |            |         |           | 23.00                  | 23.05                     | 22.84                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00                  | 23.05                     | 22.84                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.90                  | 23.00                     | 22.88                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.84                  | 22.96                     | 22.84                   |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.57                  | 22.62                     | 22.55                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.91                  | 23.06                     | 23.02                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.43                  | 22.54                     | 22.46                   |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.54                  | 22.63                     | 22.54                   | 23.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 23.04                  | 23.14                     | 23.10                   |                     |          |  |
| 20              | QPSK       | 1       | 26        | 22.93                  | 23.04                     | 22.99                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.79                  | 22.90                     | 22.84                   |                     |          |  |
| 20              | QPSK       | 25      | 0         | 22.10                  | 22.16                     | 22.13                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.95                  | 23.06                     | 22.95                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 22.00                  | 22.03                     | 22.00                   |                     |          |  |
| 20              | QPSK       | 50      | 0         | 22.06                  | 22.11                     | 21.97                   | 23.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 21.69                  | 21.76                     | 21.70                   | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.14                  | 20.19                     | 20.15                   | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63                  | 18.75                     | 18.69                   | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                 | 167300                    | 168300                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                  | 836.5                     | 841.5                   |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.98                  | 23.08                     | 23.03                   | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                 | 167300                    | 168800                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                    | 836.5                     | 844                     |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.90                  | 23.01                     | 22.96                   | 24.0                | 0.0      |  |



### n7 Ant2 Default

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 50200                 | 50700                    | 51200                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.92                 | 23.02                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 26        | 22.81                 | 22.96                    | 22.84                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 49        | 22.87                 | 22.91                    | 22.78                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 22.38                 | 22.52                    | 22.47                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 25      | 13        | 22.97                 | 23.01                    | 22.95                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 22.50                 | 22.54                    | 22.40                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.45                 | 22.58                    | 22.48                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.97                 | 23.05                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 26        | 22.92                 | 23.02                    | 22.88                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.88                 | 22.94                    | 22.85                  |                     |          |
| 20              | QPSK       | 25      | 0         | 21.98                 | 22.01                    | 21.91                  | 23.0                | 1.0      |
| 20              | QPSK       | 25      | 13        | 22.98                 | 23.03                    | 22.91                  | 24.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 21.98                 | 22.07                    | 21.96                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 22.02                 | 22.11                    | 21.97                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.53                 | 21.64                    | 21.49                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.22                 | 20.28                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.83                 | 18.85                    | 18.72                  | 19.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.89                 | 23.00                    | 22.88                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.83                 | 22.98                    | 22.84                  | 24.0                | 0.0      |



### n38 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 22.28                 | 22.30                    | 22.38                  |                     |          |
| 40              | PI2 BPSK   | 1       | 53        | 22.97                 | 23.07                    | 22.92                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 104       | 22.49                 | 22.56                    | 22.50                  |                     |          |
| 40              | PI2 BPSK   | 50      | 0         | 22.34                 | 22.48                    | 22.45                  | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 50      | 28        | 22.95                 | 23.07                    | 22.93                  | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 50      | 56        | 22.33                 | 22.36                    | 22.24                  |                     |          |
| 40              | PI2 BPSK   | 100     | 0         | 22.37                 | 22.49                    | 22.37                  | 23.5                | 0.5      |
| 40              | QPSK       | 1       | 1         | 22.33                 | 22.44                    | 22.41                  |                     |          |
| 40              | QPSK       | 1       | 53        | 23.07                 | 23.11                    | 23.02                  | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 104       | 22.49                 | 22.53                    | 22.44                  |                     |          |
| 40              | QPSK       | 50      | 0         | 21.75                 | 21.90                    | 21.82                  | 23.0                | 1.0      |
| 40              | QPSK       | 50      | 28        | 22.92                 | 23.03                    | 22.96                  | 24.0                | 0.0      |
| 40              | QPSK       | 50      | 56        | 21.78                 | 21.87                    | 21.77                  |                     |          |
| 40              | QPSK       | 100     | 0         | 21.83                 | 21.95                    | 21.86                  | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 21.08                 | 21.16                    | 21.05                  | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 19.73                 | 19.83                    | 19.75                  | 21.5                | 2.5      |
| 40              | ZS9QAM     | 1       | 1         | 18.34                 | 18.42                    | 18.34                  | 18.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | QPSK       | 1       | 1         | 23.01                 | 22.99                    | 22.97                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 25              | QPSK       | 1       | 1         | 22.97                 | 22.97                    | 22.98                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 23.02                 | 23.00                    | 22.93                  | 19.0                | 2.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 23.03                 | 23.04                    | 22.95                  | 19.0                | 2.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 22.99                 | 23.08                    | 22.90                  | 18.0                | 4.5      |

### n41 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.02                 | 22.08                    | 22.03                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 23.06                 | 23.09                    | 22.99                  | 24.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.01                 | 22.10                    | 22.04                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.35                 | 22.38                    | 22.27                  | 23.5                | 0.5      |
| 100             | PI2 BPSK   | 135     | 69        | 23.07                 | 23.16                    | 23.13                  | 24.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.26                 | 22.37                    | 22.24                  |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.32                 | 22.44                    | 22.35                  | 23.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.03                 | 22.11                    | 22.07                  |                     |          |
| 100             | QPSK       | 1       | 137       | 23.16                 | 23.21                    | 22.96                  | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.10                 | 22.14                    | 22.11                  |                     |          |
| 100             | QPSK       | 135     | 0         | 21.83                 | 21.90                    | 21.85                  | 23.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.01                 | 23.12                    | 23.09                  | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.74                 | 21.87                    | 21.74                  |                     |          |
| 100             | QPSK       | 270     | 0         | 21.81                 | 21.98                    | 21.84                  | 23.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.18                 | 21.23                    | 21.13                  | 23.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.88                 | 19.74                    | 19.86                  | 21.5                | 2.5      |
| 100             | ZS9QAM     | 1       | 1         | 18.23                 | 18.31                    | 18.26                  | 18.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 23.05                 | 23.08                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 23.08                 | 23.17                    | 22.88                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 23.05                 | 23.10                    | 22.93                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 23.11                 | 23.13                    | 22.94                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 23.01                 | 23.08                    | 22.86                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | QPSK       | 1       | 1         | 23.04                 | 23.06                    | 22.85                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 23.12                 | 23.09                    | 22.84                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 23.09                 | 23.18                    | 22.84                  | 24.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 23.12                 | 23.15                    | 22.86                  | 24.0                | 0.0      |

### Part270 n77 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 23.14                 | 23.55                    | 24.02                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.26                 | 24.76                    | 24.70                  | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 23.16                 | 23.90                    | 23.78                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.65                 | 24.03                    | 23.95                  | 24.5                | 0.5      |
| 100             | PI2 BPSK   | 135     | 69        | 24.23                 | 24.83                    | 24.59                  | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 23.87                 | 24.30                    | 24.24                  |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 23.79                 | 24.30                    | 24.23                  | 24.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 23.20                 | 23.55                    | 24.08                  |                     |          |
| 100             | QPSK       | 1       | 137       | 24.31                 | 24.76                    | 24.72                  | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.13                 | 23.56                    | 23.81                  |                     |          |
| 100             | QPSK       | 135     | 0         | 23.14                 | 23.62                    | 23.58                  | 24.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 24.30                 | 24.84                    | 24.61                  | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.26                 | 23.69                    | 23.56                  |                     |          |
| 100             | QPSK       | 270     | 0         | 23.28                 | 23.78                    | 23.73                  | 24.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 22.84                 | 22.89                    | 22.84                  | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.09                 | 21.59                    | 21.51                  | 22.5                | 2.5      |
| 100             | ZS9QAM     | 1       | 1         | 19.58                 | 19.88                    | 19.67                  | 20.5                | 4.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.21                 | 24.75                    | 24.59                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.25                 | 24.67                    | 24.67                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.28                 | 24.84                    | 24.65                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.21                 | 24.69                    | 24.59                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.21                 | 24.74                    | 24.58                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.23                 | 24.71                    | 24.67                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.22                 | 24.68                    | 24.58                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.18                 | 24.69                    | 24.60                  | 25.0                | 0.0      |



### Part27Q n77 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. 633334 | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|---------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 23.29                 | 23.29                           |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.44                 | 24.44                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 23.29                 | 23.29                           |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.69                 | 23.69                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.34                 | 24.34                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.02                 | 24.02                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 23.98                 | 23.98                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 23.23                 | 23.23                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.20                 | 24.20                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.22                 | 23.22                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 23.37                 | 23.37                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.40                 | 24.40                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.44                 | 23.44                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.48                 | 23.48                           |                        | 25.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.68                 | 22.68                           |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.89                 | 21.89                           |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 19.84                 | 19.84                           |                        | 21.5                | 3.5      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.46                 | 24.46                           | 24.37                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.38                 | 24.44                           | 24.40                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.37                 | 24.39                           | 24.45                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.36                 | 24.40                           | 24.38                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.43                 | 24.41                           | 24.40                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.47                 | 24.39                           | 24.42                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.45                 | 24.42                           | 24.42                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.42                 | 24.40                           | 24.38                  | 25.0                | 0.0      |

### PC3 Part27Q n78 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. 650000 | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|---------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 23.10                 | 23.10                           |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 23.78                 | 23.78                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 23.10                 | 23.10                           |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 23.65                 | 23.65                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 23.81                 | 23.81                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 23.73                 | 23.73                           |                        | 25.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 23.79                 | 23.79                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 23.10                 | 23.10                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 23.29                 | 23.29                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 23.10                 | 23.10                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 23.53                 | 23.53                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 23.88                 | 23.88                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 23.87                 | 23.87                           |                        | 25.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 23.64                 | 23.64                           |                        | 25.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.41                 | 22.41                           |                        | 24.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 21.95                 | 21.95                           |                        | 23.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 19.97                 | 19.97                           |                        | 21.5                | 3.5      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 23.78                 | 23.88                           | 23.82                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 23.78                 | 23.87                           | 23.83                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 23.89                 | 23.79                           | 23.84                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 23.85                 | 23.83                           | 23.80                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 23.89                 | 23.84                           | 23.82                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 23.84                 | 23.87                           | 23.86                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 23.87                 | 23.81                           | 23.89                  | 25.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 23.82                 | 23.79                           | 23.89                  | 25.0                | 0.0      |

### PC2 Part27Q n78 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. 650000 | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|---------------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 25.18                 | 25.18                           |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 25.93                 | 25.93                           |                        | 27.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 25.18                 | 25.18                           |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 25.26                 | 25.26                           |                        | 27.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 25.85                 | 25.85                           |                        | 27.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 25.33                 | 25.33                           |                        | 27.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 25.47                 | 25.47                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 25.22                 | 25.22                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 25.87                 | 25.87                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 25.33                 | 25.33                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 25.35                 | 25.35                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 25.93                 | 25.93                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 25.68                 | 25.68                           |                        | 27.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 25.55                 | 25.55                           |                        | 27.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.32                 | 24.32                           |                        | 26.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 22.86                 | 22.86                           |                        | 24.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 20.92                 | 20.92                           |                        | 22.5                | 4.5      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 25.82                 | 25.88                           | 25.92                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 25.92                 | 25.93                           | 25.86                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 25.93                 | 25.93                           | 25.85                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 25.93                 | 25.91                           | 25.87                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 25.93                 | 25.87                           | 25.93                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 25.85                 | 25.84                           | 25.84                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 25.92                 | 25.89                           | 25.89                  | 27.0                | 0.0      |
| Channel         |            |         |           |                       |                                 |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                                 |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 25.89                 | 25.89                           | 25.83                  | 27.0                | 0.0      |



| PC3 Part27Q n78 Ant2 Default |            |         |           |                     |                        |                      |                     |          |  |
|------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW (MHz)                     | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 100                          | Pl2 BPSK   | 1       | 1         | 23.10               | 350.01                 |                      |                     |          |  |
| 100                          | Pl2 BPSK   | 1       | 137       | 23.80               |                        |                      | 25.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 1       | 271       | 23.10               |                        |                      |                     |          |  |
| 100                          | Pl2 BPSK   | 135     | 0         | 23.26               |                        |                      | 25.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 135     | 69        | 23.09               |                        |                      | 25.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 135     | 138       | 23.24               |                        |                      | 25.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 270     | 0         | 23.28               |                        |                      | 25.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 1         | 23.10               |                        |                      |                     |          |  |
| 100                          | QPSK       | 1       | 137       | 23.84               |                        |                      | 25.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 271       | 23.10               |                        |                      |                     |          |  |
| 100                          | QPSK       | 135     | 0         | 23.10               |                        |                      | 25.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 69        | 23.79               |                        |                      | 25.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 138       | 23.08               |                        |                      | 25.0                | 0.0      |  |
| 100                          | QPSK       | 270     | 0         | 23.71               |                        |                      | 25.0                | 0.0      |  |
| 100                          | 16QAM      | 1       | 1         | 24.03               |                        |                      | 24.0                | 1.0      |  |
| 100                          | 64QAM      | 1       | 1         | 21.94               |                        |                      | 23.5                | 1.5      |  |
| 100                          | 256QAM     | 1       | 1         | 20.19               |                        |                      | 21.5                | 3.5      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 90                           | QPSK       | 1       | 1         | 633000              | 633334                 | 633668               | Tune-up limit (dBm) | MPR (dB) |  |
| 90                           | QPSK       | 1       | 1         | 3495                | 3500.01                | 3505.02              | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 80                           | QPSK       | 1       | 1         | 3490.02             | 3500.01                | 3510                 | Tune-up limit (dBm) | MPR (dB) |  |
| 80                           | QPSK       | 1       | 1         | 23.71               | 23.77                  | 23.80                | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 60                           | QPSK       | 1       | 1         | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |  |
| 60                           | QPSK       | 1       | 1         | 3490                | 3500.01                | 3510.02              | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 50                           | QPSK       | 1       | 1         | 631668              | 633334                 | 635000               | Tune-up limit (dBm) | MPR (dB) |  |
| 50                           | QPSK       | 1       | 1         | 3475.02             | 3500.01                | 3525                 | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 40                           | QPSK       | 1       | 1         | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |  |
| 40                           | QPSK       | 1       | 1         | 3470.01             | 3500.01                | 3530.01              | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 20                           | QPSK       | 1       | 1         | 630668              | 633334                 | 636000               | Tune-up limit (dBm) | MPR (dB) |  |
| 20                           | QPSK       | 1       | 1         | 23.80               | 23.78                  | 23.76                | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 15                           | QPSK       | 1       | 1         | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |  |
| 15                           | QPSK       | 1       | 1         | 347.5               | 350.01                 | 352.52               | 25.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 10                           | QPSK       | 1       | 1         | 633334              | 633334                 | 633334               | Tune-up limit (dBm) | MPR (dB) |  |
| 10                           | QPSK       | 1       | 1         | 3455.01             | 3500.01                | 3545.01              | 25.0                | 0.0      |  |

| PC2 Part27Q n78 Ant2 Default |            |         |           |                     |                        |                      |                     |          |  |
|------------------------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|--|
| BW (MHz)                     | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 100                          | Pl2 BPSK   | 1       | 1         | 23.12               | 350.01                 |                      |                     |          |  |
| 100                          | Pl2 BPSK   | 1       | 137       | 23.72               |                        |                      | 27.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 1       | 271       | 23.20               |                        |                      |                     |          |  |
| 100                          | Pl2 BPSK   | 135     | 0         | 23.33               |                        |                      | 27.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 135     | 69        | 23.70               |                        |                      | 27.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 135     | 138       | 23.10               |                        |                      | 27.0                | 0.0      |  |
| 100                          | Pl2 BPSK   | 270     | 0         | 23.10               |                        |                      | 27.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 1         | 23.01               |                        |                      |                     |          |  |
| 100                          | QPSK       | 1       | 137       | 23.79               |                        |                      | 27.0                | 0.0      |  |
| 100                          | QPSK       | 1       | 271       | 23.27               |                        |                      |                     |          |  |
| 100                          | QPSK       | 135     | 0         | 23.36               |                        |                      | 27.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 69        | 23.71               |                        |                      | 27.0                | 0.0      |  |
| 100                          | QPSK       | 135     | 138       | 23.26               |                        |                      | 27.0                | 0.0      |  |
| 100                          | QPSK       | 270     | 0         | 23.31               |                        |                      | 27.0                | 0.0      |  |
| 100                          | 16QAM      | 1       | 1         | 24.93               |                        |                      | 24.5                | 1.0      |  |
| 100                          | 64QAM      | 1       | 1         | 22.56               |                        |                      | 24.5                | 2.5      |  |
| 100                          | 256QAM     | 1       | 1         | 21.03               |                        |                      | 22.5                | 4.5      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 90                           | QPSK       | 1       | 1         | 633000              | 633334                 | 633668               | Tune-up limit (dBm) | MPR (dB) |  |
| 90                           | QPSK       | 1       | 1         | 25.06               | 25.03                  | 25.09                | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 80                           | QPSK       | 1       | 1         | 630668              | 633334                 | 636000               | Tune-up limit (dBm) | MPR (dB) |  |
| 80                           | QPSK       | 1       | 1         | 3490.02             | 3500.01                | 3510                 | Tune-up limit (dBm) | MPR (dB) |  |
| 80                           | QPSK       | 1       | 1         | 25.14               | 25.10                  | 25.15                | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 60                           | QPSK       | 1       | 1         | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |  |
| 60                           | QPSK       | 1       | 1         | 3490                | 3500.01                | 3510.02              | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 50                           | QPSK       | 1       | 1         | 631668              | 633334                 | 635000               | Tune-up limit (dBm) | MPR (dB) |  |
| 50                           | QPSK       | 1       | 1         | 3475.02             | 3500.01                | 3525                 | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 40                           | QPSK       | 1       | 1         | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |  |
| 40                           | QPSK       | 1       | 1         | 3470.01             | 3500.01                | 3530.01              | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 20                           | QPSK       | 1       | 1         | 630668              | 633334                 | 636000               | Tune-up limit (dBm) | MPR (dB) |  |
| 20                           | QPSK       | 1       | 1         | 25.11               | 25.05                  | 25.08                | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 15                           | QPSK       | 1       | 1         | 630000              | 633334                 | 636668               | Tune-up limit (dBm) | MPR (dB) |  |
| 15                           | QPSK       | 1       | 1         | 347.5               | 350.01                 | 352.52               | 27.0                | 0.0      |  |
| Channel                      |            |         |           |                     |                        |                      |                     |          |  |
| Frequency (MHz)              |            |         |           |                     |                        |                      |                     |          |  |
| 10                           | QPSK       | 1       | 1         | 633334              | 633334                 | 633334               | Tune-up limit (dBm) | MPR (dB) |  |
| 10                           | QPSK       | 1       | 1         | 3455.01             | 3500.01                | 3545.01              | 27.0                | 0.0      |  |



### Part270 n77 Ant4 DS14

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.63               | 20.74                  | 20.85                |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.66               | 20.75                  | 20.86                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.78               | 20.90                  | 20.92                |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.70               | 20.86                  | 20.90                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.81               | 20.76                  | 20.83                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.59               | 20.76                  | 20.48                |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.72               | 20.82                  | 20.54                | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.72               | 20.82                  | 20.54                |                     |          |
| 100             | QPSK       | 1       | 137       | 20.78               | 20.92                  | 20.70                |                     |          |
| 100             | QPSK       | 1       | 271       | 20.77               | 20.70                  | 20.51                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.77               | 20.80                  | 20.69                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.58               | 20.89                  | 20.85                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.69               | 20.88                  | 20.71                |                     |          |
| 100             | QPSK       | 270     | 0         | 20.77               | 20.80                  | 20.65                | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.80               | 20.84                  | 20.60                | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.74               | 20.73                  | 20.67                | 21.0                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 18.05               | 19.13                  | 19.08                | 21.0                | 1.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 20.68               | 20.84                  | 20.54                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68               | 20.84                  | 20.54                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68               | 20.84                  | 20.54                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 20.65               | 20.67                  | 20.71                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 20.77               | 20.71                  | 20.58                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 20.73               | 20.86                  | 20.66                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 20.74               | 20.74                  | 20.68                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 20.72               | 20.75                  | 20.66                | 21.0                | 0.0      |

### Part27Q n77 Ant4 DS14

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.08               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.13               |                        |                      | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.12               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.19               |                        |                      | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.20               |                        |                      | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.07               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.12               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.18               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 137       | 20.22               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 271       | 20.02               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.03               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.13               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.11               |                        |                      |                     |          |
| 100             | QPSK       | 270     | 0         | 20.10               |                        |                      | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.00               |                        |                      | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.18               |                        |                      | 21.0                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 19.52               |                        |                      | 21.0                | 1.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 19.91               | 19.95                  | 20.09                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 19.95               | 19.92                  | 19.93                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 19.95               | 19.97                  | 19.96                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 19.98               | 20.13                  | 20.08                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 20.04               | 20.04                  | 20.11                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 20.11               | 20.04                  | 20.00                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 19.99               | 19.98                  | 20.14                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 19.99               | 20.14                  | 20.00                | 21.0                | 0.0      |

### PC3 Part270 n78 Ant4 DS14

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 18.83               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 18.81               |                        |                      | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 18.79               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 18.90               |                        |                      | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 18.88               |                        |                      | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 18.99               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 18.84               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 18.88               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 137       | 18.90               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 271       | 18.93               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 18.80               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.96               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.90               |                        |                      |                     |          |
| 100             | QPSK       | 270     | 0         | 18.83               |                        |                      | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.82               |                        |                      | 19.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.81               |                        |                      | 19.5                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 18.97               |                        |                      | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 18.74               | 18.73                  | 18.82                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 18.65               | 18.67                  | 18.74                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 18.63               | 18.74                  | 18.83                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 18.74               | 18.66                  | 18.80                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 18.61               | 18.84                  | 18.72                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 18.62               | 18.84                  | 18.67                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 18.77               | 18.74                  | 18.60                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 18.84               | 18.61                  | 18.72                | 19.5                | 0.0      |



**PC2 Part270 n78 Ant4 DSI4**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.74                 | 21.74                    |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.77                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.70                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.72                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.73                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 21.71                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.72                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.69                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 21.88                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.69                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.75                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.85                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.72                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 21.74                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.74                 |                          |                        | 22.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                 |                          |                        | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.66                 |                          |                        | 22.0                | 0.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.69                 | 21.49                    | 21.42                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.69                 | 21.49                    | 21.49                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.57                 | 21.48                    | 21.52                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.68                 | 21.61                    | 21.59                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.61                 | 21.67                    | 21.53                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.56                 | 21.69                    | 21.57                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.55                 | 21.55                    | 21.49                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.67                 | 21.56                    | 21.66                  | 22.5                | 0.0      |

**PC3 Part27Q n78 Ant4 DSI4**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 18.50                 | 18.50                    |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 18.59                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 18.44                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 18.27                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 18.21                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 18.69                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 18.50                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 18.68                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 18.80                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 18.68                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.45                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.73                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.72                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 18.50                 |                          |                        | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.51                 |                          |                        | 19.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.60                 |                          |                        | 19.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.67                 |                          |                        | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 18.49                 | 18.32                    | 18.49                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 18.30                 | 18.38                    | 18.32                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 18.43                 | 18.31                    | 18.36                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 18.52                 | 18.31                    | 18.37                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 18.34                 | 18.49                    | 18.36                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 18.31                 | 18.47                    | 18.43                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 18.30                 | 18.52                    | 18.40                  | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 18.37                 | 18.31                    | 18.33                  | 19.5                | 0.0      |

**PC2 Part27Q n78 Ant4 DSI4**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.82                 | 21.82                    |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.74                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.79                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 21.77                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.76                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.93                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 22.04                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.92                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.79                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.81                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 21.80                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.91                 |                          |                        | 22.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.93                 |                          |                        | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.79                 |                          |                        | 22.0                | 0.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.71                 | 21.63                    | 21.71                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.64                 | 21.63                    | 21.64                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.63                 | 21.64                    | 21.61                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.75                 | 21.70                    | 21.67                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.71                 | 21.73                    | 21.64                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.74                 | 21.69                    | 21.80                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.61                 | 21.75                    | 21.62                  | 22.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.75                 | 21.71                    | 21.64                  | 22.5                | 0.0      |





### Part27Q n77 Ant6 DS14

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 656000] | Power High Ch. [Freq. 662000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.07                        | 22.06                           | 22.04                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.90                        | 21.98                           | 22.03                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.87                        | 22.00                           | 22.11                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.90                        | 22.06                           | 22.10                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.06                        | 22.04                           | 22.06                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.86                        | 22.08                           | 22.02                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                        | 22.12                           | 22.06                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.90                        | 22.04                           | 22.08                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.06                        | 22.16                           | 22.12                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.90                        | 22.01                           | 21.93                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.98                        | 21.93                           | 22.05                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.91                        | 22.08                           | 21.97                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.91                        | 21.93                           | 21.94                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.00                        | 22.05                           | 22.04                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.00                        | 22.11                           | 22.06                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.51                        | 19.53                           | 19.58                         | 21.5                | 1.5      |
| 100             | Z96QAM     | 1       | 1         | 18.15                        | 18.33                           | 18.15                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.88                        | 22.00                           | 22.12                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.88                        | 22.11                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.93                        | 21.99                           | 22.08                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.88                        | 22.05                           | 22.14                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 22.03                        | 22.14                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.99                        | 22.13                           | 22.05                         | 23.0                | 0.0      |

### Part27Q n77 Ant6 DS14

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 633000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 633668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.26                        | 22.26                           | 22.26                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.17                        | 22.17                           | 22.17                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.19                        | 22.19                           | 22.19                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.14                        | 22.14                           | 22.14                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 22.32                        | 22.32                           | 22.32                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.36                        | 22.36                           | 22.36                         |                     |          |
| 100             | QPSK       | 1       | 271       | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.90                        | 21.90                           | 21.90                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.83                        | 21.83                           | 21.83                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.22                        | 21.22                           | 21.22                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.62                        | 19.62                           | 19.62                         | 21.5                | 1.5      |
| 100             | Z96QAM     | 1       | 1         | 18.16                        | 18.16                           | 18.16                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 22.02                        | 22.02                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.99                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 22.04                        | 21.99                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 22.13                        | 21.95                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 22.09                        | 22.04                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.99                        | 22.10                           | 21.96                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 22.12                        | 21.95                           | 21.95                         | 23.0                | 0.0      |

### PC3 Part27Q n78 Ant6 DS14

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 648668] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 651334] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.03                        | 21.03                           | 21.03                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.51                        | 21.51                           | 21.51                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.51                        | 21.51                           | 21.51                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.70                        | 21.70                           | 21.70                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.81                        | 21.81                           | 21.81                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.87                        | 21.87                           | 21.87                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.54                        | 21.54                           | 21.54                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.48                        | 21.48                           | 21.48                         |                     |          |
| 100             | QPSK       | 1       | 137       | 21.73                        | 21.73                           | 21.73                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.88                        | 21.88                           | 21.88                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.81                        | 21.81                           | 21.81                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.85                        | 21.85                           | 21.85                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.81                        | 21.81                           | 21.81                         |                     |          |
| 100             | QPSK       | 270     | 0         | 21.80                        | 21.80                           | 21.80                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.87                        | 21.87                           | 21.87                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                        | 21.70                           | 21.70                         | 23.0                | 0.0      |
| 100             | Z96QAM     | 1       | 1         | 20.54                        | 20.54                           | 20.54                         | 22.5                | 0.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.59                        | 21.51                           | 21.45                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.59                        | 21.62                           | 21.54                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.59                        | 21.62                           | 21.54                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.56                        | 21.42                           | 21.46                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.58                        | 21.60                           | 21.57                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.60                        | 21.45                           | 21.41                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.55                        | 21.58                           | 21.51                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                        | 21.44                           | 21.57                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.41                        | 21.40                           | 21.59                         | 23.0                | 0.0      |



**PC2 Part270 n78 Ant6 DSI4**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.28                 | 24.28                    | 24.28                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 24.50                 | 24.50                    | 24.50                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 24.63                 | 24.63                    | 24.63                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.32                 | 24.32                    | 24.32                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.50                 | 24.50                    | 24.50                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 24.56                 | 24.56                    | 24.56                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 24.44                 | 24.44                    | 24.44                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.88                 | 24.88                    | 24.88                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.54                 | 24.54                    | 24.54                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 24.63                 | 24.63                    | 24.63                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.65                 | 24.65                    | 24.65                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.48                 | 24.48                    | 24.48                  | 26.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.22                 | 24.22                    | 24.22                  | 26.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.55                 | 22.55                    | 22.55                  | 24.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.51                 | 20.51                    | 20.51                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.40                 | 24.28                    | 24.42                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.29                 | 24.45                    | 24.47                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.33                 | 24.37                    | 24.44                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.30                 | 24.43                    | 24.44                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.30                 | 24.43                    | 24.32                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.36                 | 24.31                    | 24.34                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.44                 | 24.42                    | 24.45                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.31                 | 24.26                    | 24.43                  | 26.0                | 0.0      |

**PC3 Part27Q n78 Ant6 DSI4**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.65                 | 21.65                    | 21.65                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.65                 | 21.65                    | 21.65                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.75                 | 21.75                    | 21.75                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.66                 | 21.66                    | 21.66                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.55                 | 21.55                    | 21.55                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.58                 | 21.58                    | 21.58                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.73                 | 21.73                    | 21.73                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.74                 | 21.74                    | 21.74                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 21.76                 | 21.76                    | 21.76                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.58                 | 21.58                    | 21.58                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.65                 | 21.65                    | 21.65                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.68                 | 21.68                    | 21.68                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.84                 | 21.84                    | 21.84                  | 23.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.57                 | 21.57                    | 21.57                  | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.74                 | 21.74                    | 21.74                  | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.62                 | 21.62                    | 21.62                  | 23.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.63                 | 20.63                    | 20.63                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.35                 | 21.58                    | 21.39                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.58                 | 21.53                    | 21.57                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.48                 | 21.50                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.55                 | 21.52                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.59                 | 21.57                    | 21.42                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.41                 | 21.53                    | 21.46                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                 | 21.49                    | 21.41                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.49                 | 21.47                    | 21.47                  | 23.0                | 0.0      |

**PC2 Part27Q n78 Ant6 DSI4**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.58                 | 24.58                    | 24.58                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 24.49                 | 24.49                    | 24.49                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 24.51                 | 24.51                    | 24.51                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.71                 | 24.71                    | 24.71                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.73                 | 24.73                    | 24.73                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.48                 | 24.48                    | 24.48                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.70                 | 24.70                    | 24.70                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 24.61                 | 24.61                    | 24.61                  | 26.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.56                 | 24.56                    | 24.56                  | 26.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.66                 | 22.66                    | 22.66                  | 24.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.55                 | 20.55                    | 20.55                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.45                 | 24.60                    | 24.52                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.43                 | 24.46                    | 24.46                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.55                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.60                 | 24.44                    | 24.45                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.59                 | 24.41                    | 24.35                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.60                 | 24.39                    | 24.38                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.47                 | 24.53                    | 24.53                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.40                 | 24.55                    | 24.41                  | 26.0                | 0.0      |



| n2 Ant7 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 37200           | 37600              | 38000            |                     |          |  |
| Frequency (MHz) |            |         |           | 1890            | 1890               | 1900             |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.72           | 20.75              | 20.62            | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 20.63           | 20.71              | 20.64            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 20.55           | 20.68              | 20.58            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 20.03           | 20.18              | 20.07            | 21.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 20.70           | 20.73              | 20.63            | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 20.08           | 20.20              | 20.08            | 21.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.20           | 20.27              | 20.15            |                     |          |  |
| 20              | QPSK       | 1       | 1         | 20.76           | 20.83              | 20.71            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 20.69           | 20.79              | 20.73            | 22.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 20.52           | 20.58              | 20.55            | 21.0                | 1.0      |  |
| 20              | QPSK       | 25      | 0         | 19.98           | 19.71              | 19.67            |                     |          |  |
| 20              | QPSK       | 25      | 13        | 20.68           | 20.76              | 20.73            |                     |          |  |
| 20              | QPSK       | 25      | 26        | 19.68           | 19.68              | 19.57            | 21.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 19.61           | 19.72              | 19.59            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 19.41           | 19.48              | 19.41            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 18.08           | 18.14              | 18.03            | 19.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 16.61           | 16.68              | 16.54            | 17.5                | 4.5      |  |
| Channel         |            |         |           | 371500          | 376000             | 380500           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5          | 1890               | 1902.5           |                     |          |  |
| 15              | QPSK       | 1       | 1         | 20.65           | 20.80              | 20.57            | 22.0                | 0.0      |  |
| Channel         |            |         |           | 371000          | 376000             | 381000           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1865            | 1890               | 1905             |                     |          |  |
| 10              | QPSK       | 1       | 1         | 20.68           | 20.71              | 20.63            | 22.0                | 0.0      |  |

| n5 Ant7 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 16800           | 167300             | 167800           |                     |          |  |
| Frequency (MHz) |            |         |           | 834             | 836.5              | 839              |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 21.68           | 21.73              | 21.70            | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 21.52           | 21.57              | 21.45            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 21.46           | 21.54              | 21.48            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 21.14           | 21.23              | 21.18            | 22.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 21.66           | 21.69              | 21.54            | 22.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 21.09           | 21.24              | 21.15            |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 21.15           | 21.29              | 21.15            |                     |          |  |
| 20              | QPSK       | 1       | 1         | 21.71           | 21.76              | 21.63            | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 26        | 21.60           | 21.65              | 21.57            |                     |          |  |
| 20              | QPSK       | 1       | 49        | 21.44           | 21.50              | 21.43            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 20.60           | 20.75              | 20.65            | 22.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 21.60           | 21.70              | 21.62            | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 20.54           | 20.66              | 20.58            |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.69           | 20.73              | 20.62            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 20.29           | 20.41              | 20.38            | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.78           | 18.82              | 18.89            | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 17.40           | 17.52              | 17.46            | 18.5                | 4.5      |  |
| Channel         |            |         |           | 168300          | 167300             | 168300           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5           | 836.5              | 841.5            |                     |          |  |
| 15              | QPSK       | 1       | 1         | 21.62           | 21.71              | 21.53            | 23.0                | 0.0      |  |
| Channel         |            |         |           | 165800          | 167300             | 168800           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829             | 836.5              | 844              |                     |          |  |
| 10              | QPSK       | 1       | 1         | 21.66           | 21.69              | 21.49            | 23.0                | 0.0      |  |



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| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.37               | 19.47                  | 19.54                |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.48               | 19.38                  | 19.20                | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.32               | 19.46                  | 19.36                |                     |          |
| 100             | Pi2 BPSK   | 136     | 0         | 19.40               | 19.52                  | 19.22                | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 69        | 19.38               | 19.34                  | 19.35                | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 138       | 19.31               | 19.41                  | 19.20                | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.48               | 19.45                  | 19.34                |                     |          |
| 100             | QPSK       | 1       | 1         | 19.32               | 19.52                  | 19.36                |                     |          |
| 100             | QPSK       | 1       | 137       | 19.53               | 19.37                  | 19.36                | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.51               | 19.49                  | 19.25                |                     |          |
| 100             | QPSK       | 136     | 0         | 19.36               | 19.45                  | 19.22                | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 69        | 19.46               | 19.51                  | 19.26                | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 138       | 19.48               | 19.34                  | 19.33                | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.33               | 19.43                  | 19.30                |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.44               | 19.56                  | 19.22                | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.43               | 19.40                  | 19.37                | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.57               | 19.62                  | 19.78                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 19.37               | 19.56                  | 19.28                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 19.33               | 19.51                  | 19.29                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 19.45               | 19.40                  | 19.35                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 19.36               | 19.53                  | 19.28                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 19.42               | 19.52                  | 19.21                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 30              | QPSK       | 1       | 1         | 19.53               | 19.33                  | 19.35                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 25              | QPSK       | 1       | 1         | 19.51               | 19.42                  | 19.22                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 19.31               | 19.50                  | 19.27                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 19.45               | 19.41                  | 19.21                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 19.44               | 19.45                  | 19.30                | 20.0                | 0.0      |

### Part27Q n77 Ant11 DSI4

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.83               |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.85               |                        |                      | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.81               |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 136     | 0         | 19.73               |                        |                      | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 69        | 19.80               |                        |                      | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 138       | 19.86               |                        |                      | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.81               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 1         | 19.85               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 137       | 19.90               |                        |                      | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.82               |                        |                      |                     |          |
| 100             | QPSK       | 136     | 0         | 19.71               |                        |                      | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 69        | 19.83               |                        |                      | 20.0                | 0.0      |
| 100             | QPSK       | 136     | 138       | 19.77               |                        |                      | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.71               |                        |                      |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.85               |                        |                      | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.75               |                        |                      | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.83               |                        |                      | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 19.57               | 19.66                  | 19.69                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 19.61               | 19.57                  | 19.79                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 19.72               | 19.75                  | 19.74                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 19.71               | 19.56                  | 19.89                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 19.74               | 19.66                  | 19.73                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 19.67               | 19.77                  | 19.86                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 19.62               | 19.58                  | 19.62                | 20.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 19.77               | 19.75                  | 19.72                | 20.0                | 0.0      |

### PC3 Part270 n78 Ant11 DSI4

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 18.34               |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 18.37               |                        |                      | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 18.38               |                        |                      |                     |          |
| 100             | Pi2 BPSK   | 136     | 0         | 18.47               |                        |                      | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 69        | 18.34               |                        |                      | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 136     | 138       | 18.25               |                        |                      | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 18.39               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 1         | 18.32               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 137       | 18.50               |                        |                      | 19.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 18.38               |                        |                      |                     |          |
| 100             | QPSK       | 136     | 0         | 18.27               |                        |                      | 19.0                | 0.0      |
| 100             | QPSK       | 136     | 69        | 18.42               |                        |                      | 19.0                | 0.0      |
| 100             | QPSK       | 136     | 138       | 18.34               |                        |                      | 19.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 18.31               |                        |                      |                     |          |
| 100             | 16QAM      | 1       | 1         | 18.36               |                        |                      | 19.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.44               |                        |                      | 19.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.36               |                        |                      | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 18.29               | 18.34                  | 18.32                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 18.28               | 18.35                  | 18.16                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 18.18               | 18.18                  | 18.23                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 18.21               | 18.29                  | 18.20                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 18.21               | 18.26                  | 18.14                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 18.27               | 18.33                  | 18.21                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 18.27               | 18.13                  | 18.25                | 19.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 18.33               | 18.15                  | 18.23                | 19.0                | 0.0      |



| PC2 Part270 n78 Ant11 DS14 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 20.82                 | 20.82                    | 20.82                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 21.08                 | 21.08                    | 21.08                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 21.08                 | 21.08                    | 21.08                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 21.07                 | 21.07                    | 21.07                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 20.99                 | 20.99                    | 20.99                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 20.98                 | 20.98                    | 20.98                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 20.97                 | 20.97                    | 20.97                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 21.13                 | 21.13                    | 21.13                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 21.04                 | 21.04                    | 21.04                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 20.94                 | 20.94                    | 20.94                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 21.08                 | 21.08                    | 21.08                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 21.01                 | 21.01                    | 21.01                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 20.82                 | 20.82                    | 20.82                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 20.91                 | 20.93                    | 21.00                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3720.02               | 3750                     | 3750.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 20.91                 | 20.93                    | 20.96                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 64734                 | 65000                    | 65068                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 20.79                 | 20.85                    | 21.02                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |  |

| PC3 Part27Q n78 Ant11 DS14 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 17.57                 | 17.57                    | 17.57                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 17.44                 | 17.44                    | 17.44                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 17.48                 | 17.48                    | 17.48                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 17.76                 | 17.76                    | 17.76                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 17.49                 | 17.49                    | 17.49                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 17.38                 | 17.38                    | 17.38                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 17.54                 | 17.54                    | 17.54                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 17.47                 | 17.47                    | 17.47                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 17.79                 | 17.79                    | 17.79                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 17.47                 | 17.47                    | 17.47                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 17.53                 | 17.53                    | 17.53                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 17.63                 | 17.63                    | 17.63                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 17.64                 | 17.64                    | 17.64                  | 19.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 17.61                 | 17.58                    | 17.44                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 63200                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3490.02               | 3500.01                  | 3510.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 17.51                 | 17.49                    | 17.40                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 63334                 | 63334                    | 63334                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 3465.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |  |

| PC2 Part27Q n78 Ant11 DS14 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 20.08                 | 20.08                    | 20.08                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 20.25                 | 20.25                    | 20.25                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 20.04                 | 20.04                    | 20.04                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 20.02                 | 20.02                    | 20.02                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 20.15                 | 20.15                    | 20.15                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 20.25                 | 20.25                    | 20.25                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 20.08                 | 20.08                    | 20.08                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 20.12                 | 20.12                    | 20.12                  | 22.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 20.34                 | 20.34                    | 20.34                  | 22.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 20.14                 | 20.02                    | 20.15                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 63200                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 3490.02               | 3500.01                  | 3510.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 20.15                 | 20.12                    | 20.21                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 63334                 | 63334                    | 63334                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 3465.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |  |



Reduced Power for DSI 6 for 5G NR DFT-30 for Main PA

| n2 Ant1 DSI6    |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  | Power                     | Power                   | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 372000 | Middle Ch. / Freq. 376000 | High Ch. / Freq. 380000 |                     |          |  |
| Channel         |            |         |           | 1500                   | 1500                      | 1500                    |                     |          |  |
| Frequency (MHz) |            |         |           | 19.70                  | 19.86                     | 19.83                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 19.70                  | 19.86                     | 19.83                   | 21.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 19.71                  | 19.80                     | 19.61                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 19.68                  | 19.87                     | 19.69                   |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 19.74                  | 19.81                     | 19.68                   | 21.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 19.65                  | 19.89                     | 19.73                   | 21.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 19.56                  | 19.89                     | 19.63                   |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 19.84                  | 19.81                     | 19.67                   | 21.0                | 0.0      |  |
| 20              | QPSK       | 1       | 1         | 19.75                  | 19.93                     | 19.72                   |                     |          |  |
| 20              | QPSK       | 1       | 26        | 19.54                  | 19.90                     | 19.64                   | 21.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 19.72                  | 19.80                     | 19.51                   |                     |          |  |
| 20              | QPSK       | 25      | 0         | 19.65                  | 19.76                     | 19.51                   | 21.0                | 0.0      |  |
| 20              | QPSK       | 25      | 13        | 19.68                  | 19.90                     | 19.58                   | 21.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 19.72                  | 19.81                     | 19.63                   | 21.0                | 0.0      |  |
| 20              | QPSK       | 50      | 0         | 19.73                  | 19.82                     | 19.59                   |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 19.58                  | 19.90                     | 19.67                   | 21.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 19.72                  | 19.73                     | 19.66                   | 21.0                | 0.0      |  |
| 20              | 256QAM     | 1       | 1         | 18.56                  | 18.48                     | 18.39                   | 19.5                | 1.5      |  |
| Channel         |            |         |           | 371500                 | 376000                    | 380500                  | Tune-up limit (dB)  | MPR      |  |
| Frequency (MHz) |            |         |           | 1837.5                 | 1830                      | 1820.5                  |                     |          |  |
| 15              | QPSK       | 1       | 1         | 19.74                  | 19.79                     | 19.70                   | 21.0                | 0.0      |  |
| Channel         |            |         |           | 371000                 | 376000                    | 381000                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855                   | 1880                      | 1905                    |                     |          |  |
| 10              | QPSK       | 1       | 1         | 19.53                  | 19.69                     | 19.56                   | 21.0                | 0.0      |  |

| n5 Ant1 Default |            |         |           |                        |                           |                         |                     |          |  |
|-----------------|------------|---------|-----------|------------------------|---------------------------|-------------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power                  | Power                     | Power                   | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. 166800 | Middle Ch. / Freq. 167300 | High Ch. / Freq. 167800 |                     |          |  |
| Channel         |            |         |           | 834                    | 836.5                     | 839                     |                     |          |  |
| Frequency (MHz) |            |         |           | 23.00                  | 23.05                     | 22.84                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00                  | 23.05                     | 22.84                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.90                  | 23.00                     | 22.88                   |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.84                  | 22.96                     | 22.84                   |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.57                  | 22.62                     | 22.55                   | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.91                  | 23.06                     | 23.02                   | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.43                  | 22.54                     | 22.46                   |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.54                  | 22.63                     | 22.54                   | 23.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 23.04                  | 23.14                     | 23.10                   |                     |          |  |
| 20              | QPSK       | 1       | 26        | 22.93                  | 23.04                     | 22.99                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.79                  | 22.90                     | 22.84                   |                     |          |  |
| 20              | QPSK       | 25      | 0         | 22.10                  | 22.16                     | 22.13                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.95                  | 23.06                     | 22.95                   | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 22.00                  | 22.03                     | 22.00                   | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 22.06                  | 22.11                     | 21.97                   |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.69                  | 21.76                     | 21.70                   | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.14                  | 20.19                     | 20.15                   | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63                  | 18.75                     | 18.69                   | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300                 | 167300                    | 168300                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5                  | 836.5                     | 841.5                   |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.98                  | 23.08                     | 23.03                   | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800                 | 167300                    | 168800                  | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829                    | 836.5                     | 844                     |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.90                  | 23.01                     | 22.96                   | 24.0                | 0.0      |  |



### n7 Ant2 Default

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 50200                 | 50700                    | 51200                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.92                 | 23.02                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 26        | 22.81                 | 22.96                    | 22.84                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 49        | 22.87                 | 22.91                    | 22.78                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 22.38                 | 22.52                    | 22.47                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 25      | 13        | 22.97                 | 23.01                    | 22.95                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 22.50                 | 22.54                    | 22.40                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.45                 | 22.58                    | 22.48                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.97                 | 23.05                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 26        | 22.92                 | 23.02                    | 22.88                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.88                 | 22.94                    | 22.85                  |                     |          |
| 20              | QPSK       | 25      | 0         | 21.98                 | 22.01                    | 21.91                  | 23.0                | 1.0      |
| 20              | QPSK       | 25      | 13        | 22.98                 | 23.03                    | 22.91                  | 24.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 21.98                 | 22.07                    | 21.96                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 22.02                 | 22.11                    | 21.97                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.53                 | 21.64                    | 21.49                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.22                 | 20.28                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.83                 | 18.85                    | 18.72                  | 19.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.89                 | 23.00                    | 22.88                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.83                 | 22.98                    | 22.84                  | 24.0                | 0.0      |



### n38 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power         |                  |                | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------|------------------|----------------|---------------------|----------|
|                 |            |         |           | Low Ch. Freq. | Middle Ch. Freq. | High Ch. Freq. |                     |          |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 2560.02       | 2565             | 2569.98        |                     |          |
| 40              | PI2 BPSK   | 1       | 1         | 22.28         | 22.30            | 22.32          |                     |          |
| 40              | PI2 BPSK   | 1       | 53        | 22.97         | 23.07            | 22.92          | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 1       | 104       | 22.49         | 22.56            | 22.50          |                     |          |
| 40              | PI2 BPSK   | 50      | 0         | 22.34         | 22.48            | 22.45          | 23.5                | 0.5      |
| 40              | PI2 BPSK   | 50      | 28        | 22.95         | 23.07            | 22.93          | 24.0                | 0.0      |
| 40              | PI2 BPSK   | 50      | 56        | 22.33         | 22.36            | 22.24          |                     |          |
| 40              | PI2 BPSK   | 100     | 0         | 22.37         | 22.49            | 22.37          | 23.5                | 0.5      |
| 40              | QPSK       | 1       | 1         | 22.33         | 22.44            | 22.41          |                     |          |
| 40              | QPSK       | 1       | 53        | 23.07         | 23.11            | 23.02          | 24.0                | 0.0      |
| 40              | QPSK       | 1       | 104       | 22.49         | 22.53            | 22.44          |                     |          |
| 40              | QPSK       | 50      | 0         | 21.75         | 21.90            | 21.82          | 23.0                | 1.0      |
| 40              | QPSK       | 50      | 28        | 22.92         | 23.03            | 22.96          | 24.0                | 0.0      |
| 40              | QPSK       | 50      | 56        | 21.76         | 21.87            | 21.77          |                     |          |
| 40              | QPSK       | 100     | 0         | 21.83         | 21.95            | 21.86          | 23.0                | 1.0      |
| 40              | 16QAM      | 1       | 1         | 21.08         | 21.16            | 21.05          | 23.0                | 1.0      |
| 40              | 64QAM      | 1       | 1         | 19.73         | 19.83            | 19.75          | 21.5                | 2.5      |
| 40              | 256QAM     | 1       | 1         | 18.34         | 18.42            | 18.32          | 19.5                | 4.5      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 5170.02       | 5180             | 5190.98        | Tune-up limit (dBm) | MPR (dB) |
| 30              | QPSK       | 1       | 1         | 23.01         | 22.99            | 22.97          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 5180.04       | 5190             | 5200.96        | Tune-up limit (dBm) | MPR (dB) |
| 25              | QPSK       | 1       | 1         | 22.97         | 22.97            | 22.98          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 5190.00       | 5190             | 5200.00        | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 23.02         | 23.00            | 22.93          | 19.0                | 2.5      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 5190.02       | 5190             | 5200.98        | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 23.03         | 23.04            | 22.96          | 19.0                | 2.5      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 5200.02       | 5205             | 5214.98        | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 22.99         | 23.08            | 22.90          | 19.0                | 4.5      |

### n41 Ant2 Default

| BW (MHz)        | Modulation | RB Size | RB Offset | Power         |                  |                | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------|------------------|----------------|---------------------|----------|
|                 |            |         |           | Low Ch. Freq. | Middle Ch. Freq. | High Ch. Freq. |                     |          |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 2560.01       | 2572.99          | 2580           |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.02         | 22.06            | 22.03          |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 23.06         | 23.09            | 22.99          | 24.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.01         | 22.10            | 22.04          |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.35         | 22.38            | 22.27          | 23.5                | 0.5      |
| 100             | PI2 BPSK   | 135     | 69        | 23.07         | 23.16            | 23.13          | 24.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.26         | 22.37            | 22.24          |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.32         | 22.44            | 22.35          | 23.5                | 0.5      |
| 100             | QPSK       | 1       | 1         | 22.03         | 22.11            | 22.07          |                     |          |
| 100             | QPSK       | 1       | 137       | 23.16         | 23.21            | 22.96          | 24.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 22.10         | 22.14            | 22.11          |                     |          |
| 100             | QPSK       | 135     | 0         | 21.83         | 21.90            | 21.85          | 23.0                | 1.0      |
| 100             | QPSK       | 135     | 69        | 23.01         | 23.12            | 23.09          | 24.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.74         | 21.87            | 21.74          |                     |          |
| 100             | QPSK       | 270     | 0         | 21.81         | 21.95            | 21.84          | 23.0                | 1.0      |
| 100             | 16QAM      | 1       | 1         | 21.18         | 21.23            | 21.13          | 23.0                | 1.0      |
| 100             | 64QAM      | 1       | 1         | 19.68         | 19.74            | 19.66          | 21.5                | 2.5      |
| 100             | 256QAM     | 1       | 1         | 18.23         | 18.31            | 18.26          | 19.5                | 4.5      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 2641          | 2652.99          | 2664.98        | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 23.05         | 23.08            | 22.93          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3072.04       | 3085             | 3098           | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 23.08         | 23.17            | 22.89          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3092.00       | 3105             | 3118           | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 23.05         | 23.10            | 22.93          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3104.04       | 3118             | 3132           | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 23.11         | 23.13            | 22.94          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3116.01       | 3132             | 3148           | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 23.01         | 23.08            | 22.86          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3120.00       | 3138             | 3156           | Tune-up limit (dBm) | MPR (dB) |
| 30              | QPSK       | 1       | 1         | 23.04         | 23.06            | 22.85          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3124.02       | 3142             | 3162           | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 23.12         | 23.09            | 22.84          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3130.00       | 3150             | 3170           | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 23.09         | 23.18            | 22.84          | 24.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3132.02       | 3155             | 3185           | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 23.12         | 23.15            | 22.86          | 24.0                | 0.0      |

### Part270 n77 Ant2 DS13

| BW (MHz)        | Modulation | RB Size | RB Offset | Power         |                  |                | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------|------------------|----------------|---------------------|----------|
|                 |            |         |           | Low Ch. Freq. | Middle Ch. Freq. | High Ch. Freq. |                     |          |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3750          | 3840             | 3930           |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.26         | 19.63            | 19.58          |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 19.20         | 19.76            | 19.58          | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.36         | 19.82            | 19.84          |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 19.40         | 19.65            | 19.70          | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 19.37         | 19.75            | 19.73          | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 19.19         | 19.71            | 19.52          |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 19.35         | 19.81            | 19.62          | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 19.39         | 19.80            | 19.72          |                     |          |
| 100             | QPSK       | 1       | 137       | 19.30         | 19.82            | 19.74          | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.25         | 19.72            | 19.80          |                     |          |
| 100             | QPSK       | 135     | 0         | 19.23         | 19.65            | 19.75          | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.20         | 19.78            | 19.62          | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.25         | 19.64            | 19.72          |                     |          |
| 100             | QPSK       | 270     | 0         | 19.25         | 19.75            | 19.54          | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.25         | 19.67            | 19.64          | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.46         | 19.53            | 19.40          | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.22         | 19.40            | 19.33          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3745.02       | 3840             | 3935.01        | Tune-up limit (dBm) | MPR (dB) |
| 90              | QPSK       | 1       | 1         | 19.32         | 19.76            | 19.59          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 468334        | 469000           | 469666         | Tune-up limit (dBm) | MPR (dB) |
| 80              | QPSK       | 1       | 1         | 19.20         | 19.81            | 19.68          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 468668        | 469000           | 469334         | Tune-up limit (dBm) | MPR (dB) |
| 60              | QPSK       | 1       | 1         | 19.23         | 19.79            | 19.65          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 468334        | 469000           | 469668         | Tune-up limit (dBm) | MPR (dB) |
| 50              | QPSK       | 1       | 1         | 19.26         | 19.70            | 19.59          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 3790          | 3840             | 3900           | Tune-up limit (dBm) | MPR (dB) |
| 40              | QPSK       | 1       | 1         | 19.19         | 19.80            | 19.70          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 647334        | 650000           | 652666         | Tune-up limit (dBm) | MPR (dB) |
| 20              | QPSK       | 1       | 1         | 19.32         | 19.70            | 19.60          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 647168        | 650000           | 652834         | Tune-up limit (dBm) | MPR (dB) |
| 15              | QPSK       | 1       | 1         | 19.29         | 19.72            | 19.61          | 20.0                | 0.0      |
| Channel         |            |         |           |               |                  |                |                     |          |
| Frequency (MHz) |            |         |           | 647000        | 650000           | 652000         | Tune-up limit (dBm) | MPR (dB) |
| 10              | QPSK       | 1       | 1         | 19.28         | 19.69            | 19.58          | 20.0                | 0.0      |





**Part27Q n77 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.43                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 19.47                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.42                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 19.51                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 19.40                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.50                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 19.53                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.47                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 19.49                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.56                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.41                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.50                 |                          |                        | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.42                 |                          |                        | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.44                 |                          |                        | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 19.38                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 19.34                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 19.23                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 19.20                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 19.20                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 19.27                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 19.13                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 19.38                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |

**PC3 Part27O n78 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.55                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.07                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.60                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.13                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.27                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.17                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 20.22                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.59                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 20.41                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.54                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 19.93                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.38                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.04                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.09                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.76                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.82                 |                          |                        | 21.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.86                 |                          |                        | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 20.16                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 20.23                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 20.19                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 20.11                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 20.14                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 20.13                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 20.29                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 20.11                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |

**PC2 Part27O n78 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.61                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.41                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.81                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.71                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.36                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.70                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.95                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.53                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 22.00                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.74                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.84                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.34                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.88                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.90                 |                          |                        | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.79                 |                          |                        | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.85                 |                          |                        | 23.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.61                 |                          |                        | 22.5                | 1.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 22.10                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 22.27                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 22.22                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 22.20                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 22.29                 | 3750                     | 3750                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 22.28                 | 3750                     | 3750                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 22.20                 | 3750                     | 3750                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 22.29                 | 3750                     | 3750                   | Tune-up limit (dBm) | MPR (dB) |



| PC3 Part27Q n78 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 1         | 19.53                 | 350.01                   | 350.01                 |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 137       | 20.27                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 1       | 271       | 19.53                 |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 135     | 0         | 19.55                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 69        | 20.16                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 138       | 19.74                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 270     | 0         | 19.87                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         | 19.59                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 20.35                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 19.62                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 19.81                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 20.25                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       | 20.13                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 20.07                 |                          |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 20.12                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | 16QAM      | 1       | 1         | 19.82                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         | 19.57                 |                          |                        | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 20.05                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 20.09                 | 350.01                   | 351.0                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 20.05                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 20.12                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 20.14                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 20.11                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 19.59                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 20.13                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |

| PC2 Part27Q n78 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 1         | 21.57                 | 350.01                   | 350.01                 |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 137       | 22.03                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 1       | 271       | 21.56                 |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 135     | 0         | 21.77                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 69        | 21.96                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 138       | 21.81                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 270     | 0         | 21.55                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         | 21.85                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 22.16                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 21.71                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 21.70                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 22.15                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       | 21.86                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 21.85                 |                          |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 22.10                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | 16QAM      | 1       | 1         | 21.83                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         | 20.99                 |                          |                        | 23.5                | 1.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 21.55                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 21.62                 | 350.01                   | 351.0                  | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 21.59                 | 350.01                   | 350.02                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 21.58                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 21.53                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 21.62                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 21.71                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 21.55                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |



### Part270 n77 Ant4 DSI6

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.63               | 20.74                  | 20.85                |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.66               | 20.75                  | 20.86                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.78               | 20.90                  | 20.92                |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.70               | 20.86                  | 20.90                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.81               | 20.76                  | 20.83                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.59               | 20.76                  | 20.48                |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.72               | 20.82                  | 20.54                | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.72               | 20.82                  | 20.54                |                     |          |
| 100             | QPSK       | 1       | 137       | 20.78               | 20.92                  | 20.70                |                     |          |
| 100             | QPSK       | 1       | 271       | 20.77               | 20.70                  | 20.51                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.77               | 20.80                  | 20.69                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.58               | 20.89                  | 20.85                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.69               | 20.88                  | 20.71                |                     |          |
| 100             | QPSK       | 270     | 0         | 20.77               | 20.80                  | 20.65                | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.80               | 20.84                  | 20.60                | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.74               | 20.73                  | 20.67                | 21.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.05               | 19.13                  | 19.08                | 21.0                | 1.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 3745.02             | 3840                   | 3905.01              |                     |          |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68               | 20.84                  | 20.54                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 20.57               | 20.90                  | 20.57                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 20.65               | 20.67                  | 20.71                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 20.77               | 20.71                  | 20.58                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 20.73               | 20.86                  | 20.66                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 20.74               | 20.74                  | 20.68                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 20.72               | 20.75                  | 20.66                | 21.0                | 0.0      |

### Part27Q n77 Ant4 DSI6

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.08               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.13               |                        |                      | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.12               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.19               |                        |                      | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.20               |                        |                      | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.07               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.12               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.18               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 137       | 20.22               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 271       | 20.02               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.03               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.13               |                        |                      | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.11               |                        |                      |                     |          |
| 100             | QPSK       | 270     | 0         | 20.10               |                        |                      | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.00               |                        |                      | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.18               |                        |                      | 21.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.52               |                        |                      | 21.0                | 1.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 3495                | 3500.01                | 3505.02              |                     |          |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 19.95               | 19.92                  | 19.93                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 19.95               | 19.97                  | 19.96                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 19.98               | 20.13                  | 20.08                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 20.04               | 20.04                  | 20.11                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 20.11               | 20.04                  | 20.00                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 19.99               | 19.98                  | 20.14                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 19.99               | 20.14                  | 20.00                | 21.0                | 0.0      |

### PC3 Part270 n78 Ant4 DSI6

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 18.83               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 18.81               |                        |                      | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 18.79               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 18.90               |                        |                      | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 18.88               |                        |                      | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 18.99               |                        |                      |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 18.84               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 18.88               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 137       | 18.90               |                        |                      |                     |          |
| 100             | QPSK       | 1       | 271       | 18.93               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 18.80               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.96               |                        |                      | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.90               |                        |                      |                     |          |
| 100             | QPSK       | 270     | 0         | 18.83               |                        |                      | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.82               |                        |                      | 19.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.81               |                        |                      | 19.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.87               |                        |                      | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 3745.02             | 3750                   | 3755.01              |                     |          |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 18.74               | 18.73                  | 18.82                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 18.65               | 18.67                  | 18.74                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 18.63               | 18.74                  | 18.83                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 18.74               | 18.66                  | 18.80                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 18.61               | 18.84                  | 18.72                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 18.62               | 18.84                  | 18.67                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 18.77               | 18.74                  | 18.60                | 19.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 18.84               | 18.61                  | 18.72                | 19.5                | 0.0      |



**PC2 Part270 n78 Ant4 DSI6**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.74                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.77                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.70                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.72                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.73                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 21.71                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.72                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.69                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 21.88                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.69                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.75                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.85                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.72                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 21.74                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.74                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.70                 |                          |                        | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.66                 |                          |                        | 22.0                | 0.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.69                 | 64968                    | 65000                  | 3755.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.69                 | 65000                    | 65134                  | 3755.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.57                 | 64834                    | 65000                  | 3750.02             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.68                 | 64834                    | 65000                  | 3755.02             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.61                 | 64734                    | 65000                  | 3750.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.56                 | 64768                    | 65000                  | 3752.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.55                 | 64700                    | 65000                  | 3750.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.67                 | 3705                     | 3750                   | 3755                | 22.5     |

**PC3 Part27Q n78 Ant4 DSI6**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 18.50                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 18.59                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 18.44                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 18.27                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 18.21                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 18.69                 |                          |                        | 19.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 18.50                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 18.68                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 18.80                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 18.68                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.45                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.73                 |                          |                        | 19.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.72                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 18.50                 |                          |                        | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.51                 |                          |                        | 19.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 18.60                 |                          |                        | 19.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.67                 |                          |                        | 19.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 18.49                 | 63300                    | 63334                  | 3505.02             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 18.30                 | 63068                    | 63468                  | 3505.02             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 18.43                 | 63068                    | 63334                  | 3505.02             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 18.52                 | 63168                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 18.34                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 18.31                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 18.20                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 18.37                 | 3465.01                  | 3500.01                | 3545.01             | 19.5     |

**PC2 Part27Q n78 Ant4 DSI6**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.82                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.74                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.79                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 138       | 21.77                 |                          |                        | 22.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.76                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.93                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 22.04                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.92                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 21.79                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.89                 |                          |                        | 22.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.81                 |                          |                        |                     |          |
| 100             | QPSK       | 270     | 0         | 21.80                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.91                 |                          |                        | 22.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.79                 |                          |                        | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 21.79                 |                          |                        | 22.0                | 0.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.71                 | 63068                    | 63334                  | 3505.02             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.64                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.63                 | 63168                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.75                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.71                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.74                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.61                 | 63068                    | 63334                  | 3505.01             | MPR      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.75                 | 3465.01                  | 3500.01                | 3545.01             | 22.5     |



### Part27Q n77 Ant6 DS16

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 656000] | Power High Ch. [Freq. 662000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.07                        | 22.06                           | 22.04                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.90                        | 21.98                           | 22.03                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.87                        | 22.00                           | 22.11                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.90                        | 22.06                           | 22.10                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.06                        | 22.04                           | 22.06                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.86                        | 22.09                           | 22.02                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                        | 22.12                           | 22.06                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.90                        | 22.04                           | 22.08                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.06                        | 22.16                           | 22.12                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.90                        | 22.01                           | 21.93                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.98                        | 21.93                           | 22.05                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.91                        | 22.08                           | 21.97                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.91                        | 21.93                           | 21.94                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.00                        | 22.05                           | 22.04                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.00                        | 22.11                           | 22.06                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.51                        | 19.53                           | 19.58                         | 21.5                | 1.5      |
| 100             | Z96QAM     | 1       | 1         | 18.15                        | 18.33                           | 18.15                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.88                        | 22.00                           | 22.12                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.88                        | 22.11                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.93                        | 21.99                           | 22.08                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.88                        | 22.05                           | 22.14                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 22.03                        | 22.14                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.99                        | 22.13                           | 22.05                         | 23.0                | 0.0      |

### Part27Q n77 Ant6 DS16

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 633000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 633668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.26                        | 22.26                           | 22.26                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.17                        | 22.17                           | 22.17                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.19                        | 22.19                           | 22.19                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.14                        | 22.14                           | 22.14                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 22.32                        | 22.32                           | 22.32                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.36                        | 22.36                           | 22.36                         |                     |          |
| 100             | QPSK       | 1       | 271       | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.90                        | 21.90                           | 21.90                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.83                        | 21.83                           | 21.83                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.22                        | 21.22                           | 21.22                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.62                        | 19.62                           | 19.62                         | 21.5                | 1.5      |
| 100             | Z96QAM     | 1       | 1         | 18.16                        | 18.16                           | 18.16                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 22.02                        | 22.02                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.99                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 22.04                        | 21.99                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 22.13                        | 21.95                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 22.09                        | 22.04                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.99                        | 22.10                           | 21.96                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 22.12                        | 21.95                           | 21.96                         | 23.0                | 0.0      |

### PC3 Part27Q n78 Ant6 DS16

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 648668] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 651334] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.03                        | 21.03                           | 21.03                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.51                        | 21.51                           | 21.51                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.51                        | 21.51                           | 21.51                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.70                        | 21.70                           | 21.70                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.81                        | 21.81                           | 21.81                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.87                        | 21.87                           | 21.87                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.54                        | 21.54                           | 21.54                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.48                        | 21.48                           | 21.48                         |                     |          |
| 100             | QPSK       | 1       | 137       | 21.73                        | 21.73                           | 21.73                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.88                        | 21.88                           | 21.88                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.81                        | 21.81                           | 21.81                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.85                        | 21.85                           | 21.85                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.81                        | 21.81                           | 21.81                         |                     |          |
| 100             | QPSK       | 270     | 0         | 21.80                        | 21.80                           | 21.80                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.87                        | 21.87                           | 21.87                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.70                        | 21.70                           | 21.70                         | 23.0                | 0.0      |
| 100             | Z96QAM     | 1       | 1         | 20.54                        | 20.54                           | 20.54                         | 22.5                | 0.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.59                        | 21.51                           | 21.45                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.59                        | 21.62                           | 21.54                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.59                        | 21.62                           | 21.54                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.56                        | 21.42                           | 21.46                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.58                        | 21.60                           | 21.57                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.60                        | 21.45                           | 21.41                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.55                        | 21.58                           | 21.51                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                        | 21.44                           | 21.57                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.41                        | 21.40                           | 21.59                         | 23.0                | 0.0      |



**PC2 Part270 n78 Ant6 DSI6**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.28                 | 24.28                    | 24.28                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 24.50                 | 24.50                    | 24.50                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 24.63                 | 24.63                    | 24.63                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.32                 | 24.32                    | 24.32                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.50                 | 24.50                    | 24.50                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 24.56                 | 24.56                    | 24.56                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 24.44                 | 24.44                    | 24.44                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.54                 | 24.54                    | 24.54                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 24.63                 | 24.63                    | 24.63                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.65                 | 24.65                    | 24.65                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.48                 | 24.48                    | 24.48                  | 26.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.22                 | 24.22                    | 24.22                  | 26.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.55                 | 22.55                    | 22.55                  | 24.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.51                 | 20.51                    | 20.51                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.40                 | 24.28                    | 24.42                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.29                 | 24.45                    | 24.47                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.33                 | 24.37                    | 24.44                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.30                 | 24.43                    | 24.44                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.30                 | 24.43                    | 24.32                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.36                 | 24.31                    | 24.34                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.44                 | 24.42                    | 24.45                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.31                 | 24.26                    | 24.43                  | 26.0                | 0.0      |

**PC3 Part27Q n78 Ant6 DSI6**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.63                 | 21.63                    | 21.63                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.65                 | 21.65                    | 21.65                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.75                 | 21.75                    | 21.75                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.66                 | 21.66                    | 21.66                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 21.55                 | 21.55                    | 21.55                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.58                 | 21.58                    | 21.58                  | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.73                 | 21.73                    | 21.73                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.74                 | 21.74                    | 21.74                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 21.76                 | 21.76                    | 21.76                  | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.58                 | 21.58                    | 21.58                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.65                 | 21.65                    | 21.65                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.68                 | 21.68                    | 21.68                  | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.84                 | 21.84                    | 21.84                  | 23.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.57                 | 21.57                    | 21.57                  | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.74                 | 21.74                    | 21.74                  | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.62                 | 21.62                    | 21.62                  | 22.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.63                 | 20.63                    | 20.63                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 21.35                 | 21.58                    | 21.39                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 21.58                 | 21.53                    | 21.57                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 21.48                 | 21.50                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 21.55                 | 21.52                    | 21.44                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 21.59                 | 21.57                    | 21.42                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 21.41                 | 21.53                    | 21.46                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 21.53                 | 21.49                    | 21.41                  | 23.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 21.49                 | 21.47                    | 21.47                  | 23.0                | 0.0      |

**PC2 Part27Q n78 Ant6 DSI6**

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 24.58                 | 24.58                    | 24.58                  |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 24.49                 | 24.49                    | 24.49                  |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 24.51                 | 24.51                    | 24.51                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 24.71                 | 24.71                    | 24.71                  | 26.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 24.58                 | 24.58                    | 24.58                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 24.73                 | 24.73                    | 24.73                  | 26.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 24.48                 | 24.48                    | 24.48                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 24.68                 | 24.68                    | 24.68                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 24.70                 | 24.70                    | 24.70                  | 26.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 24.49                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 24.61                 | 24.61                    | 24.61                  | 26.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 24.56                 | 24.56                    | 24.56                  | 26.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 22.66                 | 22.66                    | 22.66                  | 24.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 20.55                 | 20.55                    | 20.55                  | 22.5                | 3.5      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 24.45                 | 24.60                    | 24.52                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 24.43                 | 24.46                    | 24.46                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 24.55                 | 24.49                    | 24.49                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 24.60                 | 24.44                    | 24.45                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 24.59                 | 24.41                    | 24.35                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 24.60                 | 24.39                    | 24.38                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 24.47                 | 24.53                    | 24.53                  | 26.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 24.40                 | 24.55                    | 24.41                  | 26.0                | 0.0      |



| n2 Ant7 Default |            |         |           |                 |                    |                  |                     |          |      |     |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |      |     |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |      |     |
| Channel         |            |         |           | 372000          | 376000             | 380000           |                     |          |      |     |
| Frequency (MHz) |            |         |           | 1890            | 1890               | 1900             |                     |          |      |     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.72           | 20.75              | 20.62            | 22.0                | 0.0      |      |     |
| 20              | PI/2 BPSK  | 1       | 26        | 20.63           | 20.71              | 20.64            |                     |          |      |     |
| 20              | PI/2 BPSK  | 1       | 49        | 20.55           | 20.68              | 20.58            |                     |          |      |     |
| 20              | PI/2 BPSK  | 25      | 0         | 20.03           | 20.18              | 20.07            | 21.5                | 0.5      |      |     |
| 20              | PI/2 BPSK  | 25      | 13        | 20.70           | 20.73              | 20.63            | 22.0                | 0.0      |      |     |
| 20              | PI/2 BPSK  | 25      | 26        | 20.08           | 20.20              | 20.08            | 21.5                | 0.5      |      |     |
| 20              | PI/2 BPSK  | 50      | 0         | 20.20           | 20.27              | 20.15            |                     |          |      |     |
| 20              | QPSK       | 1       | 1         | 20.76           | 20.83              | 20.71            |                     |          |      |     |
| 20              | QPSK       | 1       | 26        | 20.69           | 20.79              | 20.73            | 22.0                | 0.0      |      |     |
| 20              | QPSK       | 1       | 49        | 20.52           | 20.58              | 20.55            | 21.0                | 1.0      |      |     |
| 20              | QPSK       | 25      | 0         | 19.98           | 19.71              | 19.67            |                     |          |      |     |
| 20              | QPSK       | 25      | 13        | 20.68           | 20.76              | 20.73            |                     |          | 22.0 | 0.0 |
| 20              | QPSK       | 25      | 26        | 19.68           | 19.68              | 19.57            | 21.0                | 1.0      |      |     |
| 20              | QPSK       | 50      | 0         | 19.61           | 19.72              | 19.59            |                     |          |      |     |
| 20              | 16QAM      | 1       | 1         | 19.41           | 19.48              | 19.41            |                     |          | 21.0 | 1.0 |
| 20              | 64QAM      | 1       | 1         | 18.08           | 18.14              | 18.03            | 19.5                | 2.5      |      |     |
| 20              | 256QAM     | 1       | 1         | 16.61           | 16.68              | 16.54            | 17.5                | 4.5      |      |     |
| Channel         |            |         |           | 371500          | 376000             | 380500           | Tune-up limit (dBm) | MPR (dB) |      |     |
| Frequency (MHz) |            |         |           | 1857.5          | 1890               | 1902.5           |                     |          |      |     |
| 15              | QPSK       | 1       | 1         | 20.65           | 20.80              | 20.57            | 22.0                | 0.0      |      |     |
| Channel         |            |         |           | 371000          | 376000             | 381000           | Tune-up limit (dBm) | MPR (dB) |      |     |
| Frequency (MHz) |            |         |           | 1865            | 1890               | 1905             |                     |          |      |     |
| 10              | QPSK       | 1       | 1         | 20.68           | 20.71              | 20.63            | 22.0                | 0.0      |      |     |

| n5 Ant7 Default |            |         |           |                 |                    |                  |                     |          |      |     |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|------|-----|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |      |     |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |      |     |
| Channel         |            |         |           | 168800          | 167300             | 167800           |                     |          |      |     |
| Frequency (MHz) |            |         |           | 834             | 836.5              | 839              |                     |          |      |     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.68           | 21.73              | 21.70            | 23.0                | 0.0      |      |     |
| 20              | PI/2 BPSK  | 1       | 26        | 21.52           | 21.57              | 21.45            |                     |          |      |     |
| 20              | PI/2 BPSK  | 1       | 49        | 21.46           | 21.54              | 21.48            |                     |          |      |     |
| 20              | PI/2 BPSK  | 25      | 0         | 21.14           | 21.23              | 21.19            | 22.5                | 0.5      |      |     |
| 20              | PI/2 BPSK  | 25      | 13        | 21.66           | 21.69              | 21.54            | 23.0                | 0.0      |      |     |
| 20              | PI/2 BPSK  | 25      | 26        | 21.09           | 21.24              | 21.15            | 22.5                | 0.5      |      |     |
| 20              | PI/2 BPSK  | 50      | 0         | 21.15           | 21.29              | 21.15            |                     |          |      |     |
| 20              | QPSK       | 1       | 1         | 21.71           | 21.76              | 21.63            |                     |          |      |     |
| 20              | QPSK       | 1       | 26        | 21.60           | 21.65              | 21.57            | 23.0                | 0.0      |      |     |
| 20              | QPSK       | 1       | 49        | 21.44           | 21.50              | 21.43            | 22.0                | 1.0      |      |     |
| 20              | QPSK       | 25      | 0         | 20.60           | 20.75              | 20.65            |                     |          |      |     |
| 20              | QPSK       | 25      | 13        | 21.60           | 21.70              | 21.62            |                     |          | 23.0 | 0.0 |
| 20              | QPSK       | 25      | 26        | 20.54           | 20.66              | 20.58            | 22.0                | 1.0      |      |     |
| 20              | QPSK       | 50      | 0         | 20.69           | 20.73              | 20.62            |                     |          |      |     |
| 20              | 16QAM      | 1       | 1         | 20.29           | 20.41              | 20.38            |                     |          | 22.0 | 1.0 |
| 20              | 64QAM      | 1       | 1         | 18.78           | 18.82              | 18.89            | 20.5                | 2.5      |      |     |
| 20              | 256QAM     | 1       | 1         | 17.40           | 17.52              | 17.46            | 18.5                | 4.5      |      |     |
| Channel         |            |         |           | 168300          | 167300             | 168300           | Tune-up limit (dBm) | MPR (dB) |      |     |
| Frequency (MHz) |            |         |           | 831.5           | 836.5              | 841.5            |                     |          |      |     |
| 15              | QPSK       | 1       | 1         | 21.62           | 21.71              | 21.53            | 23.0                | 0.0      |      |     |
| Channel         |            |         |           | 168800          | 167300             | 168800           | Tune-up limit (dBm) | MPR (dB) |      |     |
| Frequency (MHz) |            |         |           | 829             | 836.5              | 844              |                     |          |      |     |
| 10              | QPSK       | 1       | 1         | 21.66           | 21.69              | 21.49            | 23.0                | 0.0      |      |     |



### Part270 n77 Ant11 DSI6

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 656000] | Power High Ch. [Freq. 662000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.37                        | 19.47                           | 19.54                         |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.48                        | 19.38                           | 19.20                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.32                        | 19.46                           | 19.36                         |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 19.40                        | 19.52                           | 19.22                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 19.38                        | 19.34                           | 19.35                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 19.31                        | 19.41                           | 19.20                         | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.48                        | 19.45                           | 19.34                         |                     |          |
| 100             | QPSK       | 1       | 1         | 19.32                        | 19.52                           | 19.36                         |                     |          |
| 100             | QPSK       | 1       | 137       | 19.53                        | 19.37                           | 19.39                         | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.51                        | 19.49                           | 19.25                         |                     |          |
| 100             | QPSK       | 135     | 0         | 19.36                        | 19.45                           | 19.22                         | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.46                        | 19.51                           | 19.26                         | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.48                        | 19.34                           | 19.33                         | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.33                        | 19.43                           | 19.30                         |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.44                        | 19.56                           | 19.22                         | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.43                        | 19.40                           | 19.37                         | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.57                        | 19.62                           | 19.78                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 3745.02                      | 3840                            | 3905.01                       | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 19.33                        | 19.51                           | 19.29                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 19.45                        | 19.40                           | 19.35                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 19.36                        | 19.53                           | 19.28                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 19.42                        | 19.52                           | 19.21                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 30              | QPSK       | 1       | 1         | 19.53                        | 19.33                           | 19.35                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 25              | QPSK       | 1       | 1         | 19.51                        | 19.42                           | 19.22                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 19.31                        | 19.50                           | 19.27                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 19.45                        | 19.41                           | 19.21                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 19.44                        | 19.45                           | 19.30                         | 20.0                | 0.0      |

### Part27Q n77 Ant11 DSI6

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 633000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 633668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.83                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.85                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.81                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 19.73                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 19.80                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 19.86                        |                                 |                               | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.81                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 1         | 19.85                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 137       | 19.90                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.82                        |                                 |                               |                     |          |
| 100             | QPSK       | 135     | 0         | 19.71                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.83                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.77                        |                                 |                               | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.71                        |                                 |                               |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.85                        |                                 |                               | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.75                        |                                 |                               | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.83                        |                                 |                               | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 633000                       | 633334                          | 633668                        | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 3495                         | 3500.01                         | 3505.02                       | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 19.61                        | 19.57                           | 19.79                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 19.71                        | 19.56                           | 19.89                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 19.74                        | 19.66                           | 19.73                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 19.67                        | 19.77                           | 19.86                         | 20.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 3470.01                      | 3500.01                         | 3530.01                       | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 19.77                        | 19.75                           | 19.72                         | 20.0                | 0.0      |

### PC3 Part270 n78 Ant11 DSI6

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 648668] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 651334] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 18.34                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 18.37                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 18.38                        |                                 |                               |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 18.47                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 18.34                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 18.25                        |                                 |                               | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 18.39                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 1         | 18.32                        |                                 |                               |                     |          |
| 100             | QPSK       | 1       | 137       | 18.50                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 18.38                        |                                 |                               |                     |          |
| 100             | QPSK       | 135     | 0         | 18.27                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.42                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.34                        |                                 |                               | 19.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 18.31                        |                                 |                               |                     |          |
| 100             | 16QAM      | 1       | 1         | 18.36                        |                                 |                               | 19.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.44                        |                                 |                               | 19.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.36                        |                                 |                               | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 3745.02                      | 3750                            | 3755.01                       | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 18.29                        | 18.34                           | 18.32                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 18.18                        | 18.18                           | 18.23                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 18.21                        | 18.29                           | 18.20                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 18.21                        | 18.26                           | 18.14                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 18.27                        | 18.33                           | 18.21                         | 19.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 3720.02                      | 3750                            | 3780.01                       | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 18.33                        | 18.15                           | 18.23                         | 19.0                | 0.0      |





| PC2 Part270 n78 Ant11 DS16 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 20.82                 | 20.82                    | 20.82                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 21.09                 | 21.09                    | 21.09                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 21.08                 | 21.08                    | 21.08                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 21.07                 | 21.07                    | 21.07                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 20.99                 | 20.99                    | 20.99                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 20.98                 | 20.98                    | 20.98                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 20.97                 | 20.97                    | 20.97                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 21.13                 | 21.13                    | 21.13                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 21.04                 | 21.04                    | 21.04                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 20.94                 | 20.94                    | 20.94                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 21.08                 | 21.08                    | 21.08                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 21.01                 | 21.01                    | 21.01                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 20.82                 | 20.82                    | 20.82                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 3745.02               | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 64834                 | 65000                    | 65168                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 3725.01               | 3750                     | 3775.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 64734                 | 65000                    | 65268                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 20.98                 | 20.80                    | 20.82                  | 22.0                | 0.0      |  |

| PC3 Part27Q n78 Ant11 DS16 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 17.57                 | 17.57                    | 17.57                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 17.44                 | 17.44                    | 17.44                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 17.48                 | 17.48                    | 17.48                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 17.76                 | 17.76                    | 17.76                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 17.49                 | 17.49                    | 17.49                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 17.38                 | 17.38                    | 17.38                  | 19.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 17.54                 | 17.54                    | 17.54                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 17.47                 | 17.47                    | 17.47                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 17.79                 | 17.79                    | 17.79                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 17.47                 | 17.47                    | 17.47                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 17.53                 | 17.53                    | 17.53                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 17.63                 | 17.63                    | 17.63                  | 19.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 17.64                 | 17.64                    | 17.64                  | 19.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 63008                 | 63334                    | 63668                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 63000                 | 63334                    | 63668                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 3465.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 17.42                 | 17.48                    | 17.57                  | 19.0                | 0.0      |  |

| PC2 Part27Q n78 Ant11 DS16 |            |         |           |                       |                          |                        |                     |          |  |
|----------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                   | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 1         | 20.08                 | 20.08                    | 20.08                  |                     |          |  |
| 100                        | PI2 BPSK   | 1       | 137       | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 1       | 271       | 20.25                 | 20.25                    | 20.25                  |                     |          |  |
| 100                        | PI2 BPSK   | 135     | 0         | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 69        | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 135     | 138       | 20.04                 | 20.04                    | 20.04                  | 22.0                | 0.0      |  |
| 100                        | PI2 BPSK   | 270     | 0         | 20.02                 | 20.02                    | 20.02                  |                     |          |  |
| 100                        | QPSK       | 1       | 1         | 20.15                 | 20.15                    | 20.15                  |                     |          |  |
| 100                        | QPSK       | 1       | 137       | 20.25                 | 20.25                    | 20.25                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 1       | 271       | 20.08                 | 20.08                    | 20.08                  |                     |          |  |
| 100                        | QPSK       | 135     | 0         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 69        | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 135     | 138       | 20.18                 | 20.18                    | 20.18                  | 22.0                | 0.0      |  |
| 100                        | QPSK       | 270     | 0         | 20.12                 | 20.12                    | 20.12                  | 22.0                | 0.0      |  |
| 100                        | 16QAM      | 1       | 1         | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |  |
| 100                        | 64QAM      | 1       | 1         | 20.34                 | 20.34                    | 20.34                  | 22.0                | 0.0      |  |
| 100                        | 256QAM     | 1       | 1         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 90                         | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 80                         | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 60                         | QPSK       | 1       | 1         | 63000                 | 63334                    | 63668                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 50                         | QPSK       | 1       | 1         | 63008                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 40                         | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 20                         | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 15                         | QPSK       | 1       | 1         | 3465.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                    |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)            |            |         |           |                       |                          |                        |                     |          |  |
| 10                         | QPSK       | 1       | 1         | 20.13                 | 20.10                    | 20.09                  | 22.0                | 0.0      |  |



Reduced Power for DSI 7 for 5G NR DFT-30 for Main PA

| n2 Ant1 DSI7    |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 1500            | 1500               | 1500             |                     |          |  |
| Frequency (MHz) |            |         |           |                 |                    |                  |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 17.60           | 17.25              | 17.72            | 19.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 26        | 17.74           | 17.78              | 17.67            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 49        | 17.70           | 17.88              | 17.58            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 17.73           | 17.78              | 17.68            | 19.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 17.64           | 17.91              | 17.62            | 19.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 17.73           | 17.83              | 17.52            | 19.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 17.64           | 17.58              | 17.62            |                     |          |  |
| 20              | QPSK       | 1       | 1         | 17.80           | 17.95              | 17.72            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 17.72           | 17.77              | 17.59            | 19.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 17.68           | 17.76              | 17.58            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 17.71           | 17.89              | 17.70            | 19.0                | 0.0      |  |
| 20              | QPSK       | 25      | 13        | 17.80           | 17.91              | 17.72            | 19.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 17.71           | 17.86              | 17.52            | 19.0                | 0.0      |  |
| 20              | QPSK       | 50      | 0         | 17.81           | 17.83              | 17.63            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 17.72           | 17.83              | 17.67            | 19.0                | 0.0      |  |
| 20              | 64QAM      | 1       | 1         | 17.81           | 17.91              | 17.58            | 19.0                | 0.0      |  |
| 20              | 256QAM     | 1       | 1         | 17.64           | 17.73              | 17.71            | 19.0                | 0.0      |  |
| Channel         |            |         |           | 371500          | 376000             | 380500           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1837.5          | 1800               | 1820.5           |                     |          |  |
| 15              | QPSK       | 1       | 1         | 17.63           | 17.88              | 17.66            | 19.0                | 0.0      |  |
| Channel         |            |         |           | 371000          | 376000             | 381000           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1855            | 1880               | 1905             |                     |          |  |
| 10              | QPSK       | 1       | 1         | 17.75           | 17.76              | 17.68            | 19.0                | 0.0      |  |

| n5 Ant1 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           |                    |                  | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 166800          | 167300             | 167800           |                     |          |  |
| Frequency (MHz) |            |         |           | 834             | 836.5              | 839              |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 23.00           | 23.05              | 22.84            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 22.90           | 23.00              | 22.88            | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 22.84           | 22.96              | 22.84            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 22.57           | 22.62              | 22.55            | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 22.91           | 23.06              | 23.02            | 24.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 22.43           | 22.54              | 22.46            | 23.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 50      | 0         | 22.54           | 22.63              | 22.54            |                     |          |  |
| 20              | QPSK       | 1       | 1         | 23.04           | 23.14              | 23.10            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 22.93           | 23.04              | 22.99            | 24.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 22.79           | 22.90              | 22.84            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 22.10           | 22.16              | 22.13            | 23.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 22.95           | 23.06              | 22.95            | 24.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 22.00           | 22.03              | 22.00            | 23.0                | 1.0      |  |
| 20              | QPSK       | 50      | 0         | 22.06           | 22.11              | 21.97            |                     |          |  |
| 20              | 16QAM      | 1       | 1         | 21.69           | 21.76              | 21.70            | 23.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 20.14           | 20.19              | 20.15            | 21.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 18.63           | 18.75              | 18.69            | 19.5                | 4.5      |  |
| Channel         |            |         |           | 166300          | 167300             | 168300           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5           | 836.5              | 841.5            |                     |          |  |
| 15              | QPSK       | 1       | 1         | 22.98           | 23.08              | 23.03            | 24.0                | 0.0      |  |
| Channel         |            |         |           | 165800          | 167300             | 168800           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829             | 836.5              | 844              |                     |          |  |
| 10              | QPSK       | 1       | 1         | 22.90           | 23.01              | 22.96            | 24.0                | 0.0      |  |



### n7 Ant2 Default

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           | 50200                 | 50700                    | 51200                  |                     |          |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |          |
| 20              | PI/2 BPSK  | 1       | 1         | 22.92                 | 23.02                    | 22.87                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 1       | 26        | 22.81                 | 22.96                    | 22.84                  |                     |          |
| 20              | PI/2 BPSK  | 1       | 49        | 22.87                 | 22.91                    | 22.78                  |                     |          |
| 20              | PI/2 BPSK  | 25      | 0         | 22.38                 | 22.52                    | 22.47                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 25      | 13        | 22.97                 | 23.01                    | 22.95                  | 24.0                | 0.0      |
| 20              | PI/2 BPSK  | 25      | 26        | 22.50                 | 22.54                    | 22.40                  | 23.5                | 0.5      |
| 20              | PI/2 BPSK  | 50      | 0         | 22.45                 | 22.58                    | 22.48                  |                     |          |
| 20              | QPSK       | 1       | 1         | 22.97                 | 23.05                    | 23.04                  | 24.0                | 0.0      |
| 20              | QPSK       | 1       | 26        | 22.92                 | 23.02                    | 22.88                  |                     |          |
| 20              | QPSK       | 1       | 49        | 22.88                 | 22.94                    | 22.85                  |                     |          |
| 20              | QPSK       | 25      | 0         | 21.98                 | 22.01                    | 21.91                  | 23.0                | 1.0      |
| 20              | QPSK       | 25      | 13        | 22.98                 | 23.03                    | 22.91                  | 24.0                | 0.0      |
| 20              | QPSK       | 25      | 26        | 21.98                 | 22.07                    | 21.96                  | 23.0                | 1.0      |
| 20              | QPSK       | 50      | 0         | 22.02                 | 22.11                    | 21.97                  |                     |          |
| 20              | 16QAM      | 1       | 1         | 21.53                 | 21.64                    | 21.49                  | 23.0                | 1.0      |
| 20              | 64QAM      | 1       | 1         | 20.22                 | 20.28                    | 20.24                  | 21.5                | 2.5      |
| 20              | 256QAM     | 1       | 1         | 18.83                 | 18.85                    | 18.72                  | 19.5                | 4.5      |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 | (dBm)               | (dB)     |
| 15              | QPSK       | 1       | 1         | 22.89                 | 23.00                    | 22.88                  | 24.0                | 0.0      |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit       | MPR      |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   | (dBm)               | (dB)     |
| 10              | QPSK       | 1       | 1         | 22.83                 | 22.98                    | 22.84                  | 24.0                | 0.0      |



n38 Ant2 Default

Table with 10 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains multiple rows for various modulation schemes like Pi2 BPSK, QPSK, and 16QAM.

n41 Ant2 Default

Table with 10 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains multiple rows for various modulation schemes like Pi2 BPSK, QPSK, and 16QAM.

Part270 n77 Ant2 DS13

Table with 10 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. / Freq., Power Middle Ch. / Freq., Power High Ch. / Freq., Tune-up limit (dBm), MPR (dB). Contains multiple rows for various modulation schemes like Pi2 BPSK, QPSK, and 16QAM.



**Part27Q n77 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.43                 | 3500.01                  |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 19.47                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.42                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 19.51                 |                          |                        | 20.0                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 19.40                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.50                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 137       | 19.53                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.47                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 19.49                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.56                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.41                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.50                 |                          |                        | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.52                 |                          |                        | 20.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.42                 |                          |                        | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.44                 |                          |                        | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 19.38                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 19.34                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 19.23                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 19.20                 | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 19.20                 | 3500.01                  | 3530.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 19.27                 | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 19.13                 | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 19.38                 | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |

**PC3 Part27O n78 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 19.55                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.07                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 19.60                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.15                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.27                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.17                 |                          |                        | 21.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 20.22                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.59                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 20.41                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 19.54                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 19.93                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.38                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.04                 |                          |                        | 21.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.09                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.76                 |                          |                        | 21.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 19.82                 |                          |                        | 21.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.86                 |                          |                        | 21.5                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 20.16                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 20.23                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 20.19                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 20.11                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 20.14                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 20.13                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 20.29                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 20.11                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |

**PC2 Part27O n78 Ant2 DSI3**

| EW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.61                 | 3750                     |                        |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.41                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.81                 |                          |                        |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.71                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.36                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.70                 |                          |                        | 23.5                | 0.0      |
| 100             | PI2 BPSK   | 270     | 0         | 21.95                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 21.53                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 1       | 137       | 22.20                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 271       | 21.74                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.84                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.34                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.88                 |                          |                        | 23.5                | 0.0      |
| 100             | QPSK       | 270     | 0         | 21.90                 |                          |                        | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.79                 |                          |                        | 23.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.85                 |                          |                        | 23.5                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.61                 |                          |                        | 22.5                | 1.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 22.10                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 22.27                 | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 22.22                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 22.20                 | 3750                     | 3755.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 22.29                 | 3750                     | 3780                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 22.28                 | 3750                     | 3780                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 22.20                 | 3750                     | 3780                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 22.29                 | 3750                     | 3780                   | Tune-up limit (dBm) | MPR (dB) |



| PC3 Part27Q n78 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 1         | 19.53                 | 350.01                   | 350.01                 |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 137       | 20.27                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 1       | 271       | 19.53                 |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 135     | 0         | 19.55                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 69        | 20.16                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 138       | 19.74                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 270     | 0         | 19.87                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         | 19.59                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 20.35                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 19.82                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 19.81                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 20.25                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       | 20.13                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 20.07                 |                          |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 20.12                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | 16QAM      | 1       | 1         | 19.82                 |                          |                        | 21.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         | 19.57                 |                          |                        | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 20.05                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 20.09                 | 350.01                   | 351.0                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 20.05                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 20.12                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 20.14                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 20.11                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 19.59                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 20.13                 | 350.01                   | 350.01                 | 21.5                | 0.0      |  |

| PC2 Part27Q n78 Ant2 DSI3 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. F.Freq. | Power Middle Ch. F.Freq. | Power High Ch. F.Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 1         | 21.57                 | 350.01                   | 350.01                 |                     |          |  |
| 100                       | Pl2 BPSK   | 1       | 137       | 22.03                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 1       | 271       | 21.56                 |                          |                        |                     |          |  |
| 100                       | Pl2 BPSK   | 135     | 0         | 21.77                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 69        | 21.96                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 135     | 138       | 21.81                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | Pl2 BPSK   | 270     | 0         | 21.55                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         | 21.85                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 1       | 137       | 22.16                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 271       | 21.71                 |                          |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         | 21.70                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        | 22.15                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       | 21.86                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         | 21.85                 |                          |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         | 22.10                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | 16QAM      | 1       | 1         | 21.83                 |                          |                        | 23.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         | 20.99                 |                          |                        | 23.5                | 1.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 21.55                 | 350.01                   | 350.02                 | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 21.62                 | 350.01                   | 351.0                  | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 21.59                 | 350.01                   | 350.02                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 21.58                 | 350.01                   | 350.02                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 21.53                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 21.62                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 21.71                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 21.85                 | 350.01                   | 350.01                 | 23.5                | 0.0      |  |



### Part270 n77 Ant4 DSI7

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.63               | 20.74                  | 20.85                |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.66               | 20.75                  | 20.86                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.78               | 20.90                  | 20.92                |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.70               | 20.86                  | 20.90                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.81               | 20.76                  | 20.83                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.59               | 20.76                  | 20.48                |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.72               | 20.82                  | 20.54                | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.72               | 20.82                  | 20.54                |                     |          |
| 100             | QPSK       | 1       | 137       | 20.78               | 20.92                  | 20.70                |                     |          |
| 100             | QPSK       | 1       | 271       | 20.77               | 20.70                  | 20.51                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.77               | 20.80                  | 20.69                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.58               | 20.89                  | 20.85                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.69               | 20.88                  | 20.71                |                     |          |
| 100             | QPSK       | 270     | 0         | 20.77               | 20.80                  | 20.65                | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.80               | 20.84                  | 20.60                | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.74               | 20.73                  | 20.67                | 21.0                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 18.05               | 19.13                  | 19.08                | 21.0                | 1.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 20.68               | 20.84                  | 20.54                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68               | 20.84                  | 20.54                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 20.57               | 20.90                  | 20.57                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 20.65               | 20.67                  | 20.71                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 20.77               | 20.71                  | 20.58                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 20.73               | 20.86                  | 20.66                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 20.74               | 20.74                  | 20.68                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 20.72               | 20.75                  | 20.66                | 21.0                | 0.0      |

### Part27Q n77 Ant4 DSI7

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.08               | 20.13                  | 20.08                |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.06               | 20.13                  | 20.06                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.12               | 20.12                  | 20.12                |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.19               | 20.19                  | 20.19                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.20               | 20.20                  | 20.20                | 21.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.07               | 20.07                  | 20.07                |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.12               | 20.12                  | 20.12                | 21.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.18               | 20.18                  | 20.18                |                     |          |
| 100             | QPSK       | 1       | 137       | 20.22               | 20.22                  | 20.22                |                     |          |
| 100             | QPSK       | 1       | 271       | 20.02               | 20.02                  | 20.02                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.03               | 20.03                  | 20.03                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.13               | 20.13                  | 20.13                | 21.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.11               | 20.11                  | 20.11                |                     |          |
| 100             | QPSK       | 270     | 0         | 20.10               | 20.10                  | 20.10                | 21.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.00               | 20.00                  | 20.00                | 21.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.18               | 20.18                  | 20.18                | 21.0                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 19.52               | 19.52                  | 19.52                | 21.0                | 1.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 19.91               | 19.95                  | 20.09                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 19.95               | 19.92                  | 19.93                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 19.95               | 19.97                  | 19.96                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 19.98               | 20.13                  | 20.08                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 20.04               | 20.04                  | 20.11                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 20.11               | 20.04                  | 20.00                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 19.99               | 19.98                  | 20.14                | 21.0                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 19.93               | 20.14                  | 20.00                | 21.0                | 0.0      |

### PC3 Part270 n78 Ant4 DSI7

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. Freq. | Power Middle Ch. Freq. | Power High Ch. Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|---------------------|------------------------|----------------------|---------------------|----------|
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 17.83               | 17.83                  | 17.83                |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 17.89               | 17.89                  | 17.89                | 18.5                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 17.91               | 17.91                  | 17.91                |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 17.88               | 17.88                  | 17.88                | 18.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 17.82               | 17.82                  | 17.82                | 18.5                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 18.02               | 18.02                  | 18.02                |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 17.80               | 17.80                  | 17.80                | 18.5                | 0.0      |
| 100             | QPSK       | 1       | 1         | 17.91               | 17.91                  | 17.91                |                     |          |
| 100             | QPSK       | 1       | 137       | 18.03               | 18.03                  | 18.03                |                     |          |
| 100             | QPSK       | 1       | 271       | 17.98               | 17.98                  | 17.98                | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 0         | 17.91               | 17.91                  | 17.91                | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.84               | 17.84                  | 17.84                | 18.5                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.84               | 17.84                  | 17.84                |                     |          |
| 100             | QPSK       | 270     | 0         | 17.81               | 17.81                  | 17.81                | 18.5                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 17.84               | 17.84                  | 17.84                | 18.5                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.85               | 17.85                  | 17.85                | 18.5                | 0.0      |
| 100             | ZS9QAM     | 1       | 1         | 17.53               | 17.53                  | 17.53                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 90              | QPSK       | 1       | 1         | 17.71               | 17.78                  | 17.93                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 80              | QPSK       | 1       | 1         | 17.72               | 17.78                  | 17.72                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 60              | QPSK       | 1       | 1         | 17.78               | 17.68                  | 17.74                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 50              | QPSK       | 1       | 1         | 17.80               | 17.67                  | 17.86                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 40              | QPSK       | 1       | 1         | 17.80               | 17.82                  | 17.93                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 20              | QPSK       | 1       | 1         | 17.82               | 17.72                  | 17.72                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 15              | QPSK       | 1       | 1         | 17.78               | 17.76                  | 17.90                | 18.5                | 0.0      |
| Channel         |            |         |           |                     |                        |                      |                     |          |
| Frequency (MHz) |            |         |           |                     |                        |                      |                     |          |
| 10              | QPSK       | 1       | 1         | 17.63               | 17.63                  | 17.80                | 18.5                | 0.0      |



| PC2 Part270 n78 Ant4 DSI7 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | PI2 BPSK   | 1       | 1         |                       | 20.52                    |                        |                     |          |  |
| 100                       | PI2 BPSK   | 1       | 137       |                       | 20.83                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 1       | 271       |                       | 20.70                    |                        |                     |          |  |
| 100                       | PI2 BPSK   | 135     | 0         |                       | 20.72                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 135     | 69        |                       | 20.73                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 135     | 138       |                       | 20.64                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 270     | 0         |                       | 20.72                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         |                       | 20.60                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 137       |                       | 20.85                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 271       |                       | 20.63                    |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         |                       | 20.87                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        |                       | 20.95                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       |                       | 20.73                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         |                       | 20.65                    |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         |                       | 20.77                    |                        | 21.5                | 0.0      |  |
| 100                       | 64QAM      | 1       | 1         |                       | 20.78                    |                        | 21.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         |                       | 20.75                    |                        | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 20.76                 | 20.41                    | 20.69                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 64834                 | 65000                    | 65168                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 3725.01               | 3750                     | 3775.02                | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 20.61                 | 20.57                    | 20.70                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 64734                 | 65000                    | 65268                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 20.80                 | 20.57                    | 20.69                  | 21.5                | 0.0      |  |

| PC3 Part27Q n78 Ant4 DSI7 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | PI2 BPSK   | 1       | 1         |                       | 17.43                    |                        |                     |          |  |
| 100                       | PI2 BPSK   | 1       | 137       |                       | 17.65                    |                        | 18.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 1       | 271       |                       | 17.52                    |                        |                     |          |  |
| 100                       | PI2 BPSK   | 135     | 0         |                       | 17.67                    |                        | 18.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 135     | 69        |                       | 17.50                    |                        | 18.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 135     | 138       |                       | 17.71                    |                        | 18.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 270     | 0         |                       | 17.40                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         |                       | 17.74                    |                        | 18.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 137       |                       | 17.80                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 271       |                       | 17.62                    |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         |                       | 17.52                    |                        | 18.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        |                       | 17.78                    |                        | 18.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       |                       | 17.76                    |                        | 18.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         |                       | 17.43                    |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         |                       | 17.43                    |                        | 18.5                | 0.0      |  |
| 100                       | 64QAM      | 1       | 1         |                       | 17.51                    |                        | 18.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         |                       | 17.59                    |                        | 18.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 17.51                 | 17.30                    | 17.43                  | 18.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 63200                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 17.46                 | 17.25                    | 17.40                  | 18.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 3460.01               | 3500.01                  | 3540                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 17.48                 | 17.33                    | 17.53                  | 18.5                | 0.0      |  |

| PC2 Part27Q n78 Ant4 DSI7 |            |         |           |                       |                          |                        |                     |          |  |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|
| BW (MHz)                  | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 100                       | PI2 BPSK   | 1       | 1         |                       | 20.82                    |                        |                     |          |  |
| 100                       | PI2 BPSK   | 1       | 137       |                       | 20.81                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 1       | 271       |                       | 20.65                    |                        |                     |          |  |
| 100                       | PI2 BPSK   | 135     | 0         |                       | 20.87                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 135     | 69        |                       | 20.69                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 135     | 138       |                       | 20.76                    |                        | 21.5                | 0.0      |  |
| 100                       | PI2 BPSK   | 270     | 0         |                       | 20.70                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 1         |                       | 20.53                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 1       | 137       |                       | 21.01                    |                        |                     |          |  |
| 100                       | QPSK       | 1       | 271       |                       | 20.97                    |                        |                     |          |  |
| 100                       | QPSK       | 135     | 0         |                       | 20.77                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 69        |                       | 20.95                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 135     | 138       |                       | 20.77                    |                        | 21.5                | 0.0      |  |
| 100                       | QPSK       | 270     | 0         |                       | 20.64                    |                        |                     |          |  |
| 100                       | 16QAM      | 1       | 1         |                       | 20.92                    |                        | 21.5                | 0.0      |  |
| 100                       | 64QAM      | 1       | 1         |                       | 20.99                    |                        | 21.5                | 0.0      |  |
| 100                       | 256QAM     | 1       | 1         |                       | 20.98                    |                        | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 90                        | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 80                        | QPSK       | 1       | 1         | 20.69                 | 20.59                    | 20.60                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 60                        | QPSK       | 1       | 1         | 63000                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 50                        | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 40                        | QPSK       | 1       | 1         | 20.69                 | 20.63                    | 20.60                  | 21.5                | 0.0      |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 20                        | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 15                        | QPSK       | 1       | 1         | 3470.01               | 3500.01                  | 3540                   | Tune-up limit (dBm) | MPR (dB) |  |
| Channel                   |            |         |           |                       |                          |                        |                     |          |  |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |  |
| 10                        | QPSK       | 1       | 1         | 19.21                 | 19.05                    | 19.30                  | 21.5                | 0.0      |  |





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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 650000] | Power Middle Ch. [Freq. 656000] | Power High Ch. [Freq. 662000] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 21.07                        | 22.06                           | 22.04                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 21.90                        | 21.98                           | 22.03                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 21.87                        | 22.00                           | 22.11                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 21.90                        | 22.06                           | 22.10                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.06                        | 22.04                           | 22.06                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 21.86                        | 22.08                           | 22.02                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 21.88                        | 22.12                           | 22.06                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 21.90                        | 22.04                           | 22.08                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.06                        | 22.16                           | 22.12                         |                     |          |
| 100             | QPSK       | 1       | 271       | 21.90                        | 22.01                           | 21.93                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.98                        | 21.93                           | 22.05                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.91                        | 22.08                           | 21.97                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.91                        | 21.93                           | 21.94                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.00                        | 22.05                           | 22.04                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 22.00                        | 22.11                           | 22.06                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.51                        | 19.53                           | 19.58                         | 21.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 18.15                        | 18.33                           | 18.15                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 21.88                        | 22.00                           | 22.12                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 21.91                        | 22.06                           | 22.05                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 21.88                        | 22.11                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.93                        | 21.99                           | 22.08                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 21.93                        | 21.99                           | 22.08                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 21.88                        | 22.05                           | 22.14                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 22.03                        | 22.14                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 21.99                        | 22.13                           | 22.05                         | 23.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 630000] | Power Middle Ch. [Freq. 633334] | Power High Ch. [Freq. 636668] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 22.26                        | 22.26                           | 22.26                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 22.25                        | 22.25                           | 22.25                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 22.17                        | 22.17                           | 22.17                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 22.19                        | 22.19                           | 22.19                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 22.14                        | 22.14                           | 22.14                         | 23.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 22.32                        | 22.32                           | 22.32                         |                     |          |
| 100             | QPSK       | 1       | 137       | 22.36                        | 22.36                           | 22.36                         |                     |          |
| 100             | QPSK       | 1       | 271       | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 21.90                        | 21.90                           | 21.90                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 22.33                        | 22.33                           | 22.33                         | 23.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.83                        | 21.83                           | 21.83                         |                     |          |
| 100             | QPSK       | 270     | 0         | 22.25                        | 22.25                           | 22.25                         | 23.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.22                        | 21.22                           | 21.22                         | 23.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.62                        | 19.62                           | 19.62                         | 21.5                | 1.5      |
| 100             | 256QAM     | 1       | 1         | 18.16                        | 18.16                           | 18.16                         | 18.5                | 3.5      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 22.02                        | 22.06                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 22.11                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 21.99                        | 22.05                           | 22.15                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 22.04                        | 21.99                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 22.13                        | 21.95                           | 21.94                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 22.09                        | 22.04                           | 22.10                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 21.99                        | 22.10                           | 21.99                         | 23.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 22.12                        | 21.95                           | 21.95                         | 23.0                | 0.0      |

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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq. 648668] | Power Middle Ch. [Freq. 650000] | Power High Ch. [Freq. 651334] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|------------------------------|---------------------------------|-------------------------------|---------------------|----------|
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 100             | PI2 BPSK   | 1       | 1         | 20.63                        | 20.63                           | 20.63                         |                     |          |
| 100             | PI2 BPSK   | 1       | 137       | 20.54                        | 20.54                           | 20.54                         | 22.0                | 0.0      |
| 100             | PI2 BPSK   | 1       | 271       | 20.71                        | 20.71                           | 20.71                         |                     |          |
| 100             | PI2 BPSK   | 135     | 0         | 20.80                        | 20.80                           | 20.80                         | 22.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 69        | 20.55                        | 20.55                           | 20.55                         | 23.0                | 0.0      |
| 100             | PI2 BPSK   | 135     | 138       | 20.70                        | 20.70                           | 20.70                         |                     |          |
| 100             | PI2 BPSK   | 270     | 0         | 20.57                        | 20.57                           | 20.57                         | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 1         | 20.51                        | 20.51                           | 20.51                         |                     |          |
| 100             | QPSK       | 1       | 137       | 20.75                        | 20.75                           | 20.75                         |                     |          |
| 100             | QPSK       | 1       | 271       | 20.52                        | 20.52                           | 20.52                         | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 0         | 20.61                        | 20.61                           | 20.61                         | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.73                        | 20.73                           | 20.73                         | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.70                        | 20.70                           | 20.70                         |                     |          |
| 100             | QPSK       | 270     | 0         | 20.80                        | 20.80                           | 20.80                         | 22.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.59                        | 20.59                           | 20.59                         | 22.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.73                        | 20.73                           | 20.73                         | 22.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.74                        | 20.74                           | 20.74                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 90              | QPSK       | 1       | 1         | 20.61                        | 20.72                           | 20.52                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68                        | 20.60                           | 20.58                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 80              | QPSK       | 1       | 1         | 20.68                        | 20.60                           | 20.58                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 60              | QPSK       | 1       | 1         | 20.68                        | 20.52                           | 20.62                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 50              | QPSK       | 1       | 1         | 20.60                        | 20.71                           | 20.51                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 40              | QPSK       | 1       | 1         | 20.71                        | 20.86                           | 20.81                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 20              | QPSK       | 1       | 1         | 20.60                        | 20.56                           | 20.61                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 15              | QPSK       | 1       | 1         | 20.58                        | 20.54                           | 20.54                         | 22.0                | 0.0      |
| Channel         |            |         |           |                              |                                 |                               |                     |          |
| Frequency (MHz) |            |         |           |                              |                                 |                               |                     |          |
| 10              | QPSK       | 1       | 1         | 20.55                        | 20.58                           | 20.73                         | 22.0                | 0.0      |



**PC2 Part270 n78 Ant6 DSI7**

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 100             | PI2 BPSK   | 1       | 1         | 23.53                 | 23.67                    | 23.70                  | 25.0                | 0.0      |  |  |
| 100             | PI2 BPSK   | 1       | 137       | 23.67                 | 23.71                    | 23.74                  |                     |          |  |  |
| 100             | PI2 BPSK   | 1       | 271       | 23.71                 | 23.75                    | 23.78                  |                     |          |  |  |
| 100             | PI2 BPSK   | 135     | 0         | 23.75                 | 23.79                    | 23.82                  | 25.0                | 0.0      |  |  |
| 100             | PI2 BPSK   | 135     | 138       | 23.79                 | 23.83                    | 23.86                  |                     |          |  |  |
| 100             | PI2 BPSK   | 270     | 0         | 23.83                 | 23.87                    | 23.90                  |                     |          |  |  |
| 100             | QPSK       | 1       | 1         | 23.87                 | 23.91                    | 23.94                  | 25.0                | 0.0      |  |  |
| 100             | QPSK       | 1       | 137       | 23.91                 | 23.95                    | 23.98                  |                     |          |  |  |
| 100             | QPSK       | 1       | 271       | 23.95                 | 23.99                    | 24.02                  |                     |          |  |  |
| 100             | QPSK       | 135     | 0         | 23.99                 | 24.03                    | 24.06                  | 25.0                | 0.0      |  |  |
| 100             | QPSK       | 135     | 138       | 24.03                 | 24.07                    | 24.10                  |                     |          |  |  |
| 100             | QPSK       | 270     | 0         | 24.07                 | 24.11                    | 24.14                  |                     |          |  |  |
| 100             | 16QAM      | 1       | 1         | 24.11                 | 24.15                    | 24.18                  | 24.5                | 0.5      |  |  |
| 100             | 16QAM      | 1       | 137       | 24.15                 | 24.19                    | 24.22                  |                     |          |  |  |
| 100             | 16QAM      | 1       | 271       | 24.19                 | 24.23                    | 24.26                  |                     |          |  |  |
| 100             | 16QAM      | 135     | 0         | 24.23                 | 24.27                    | 24.30                  | 22.5                | 2.5      |  |  |
| 100             | 16QAM      | 135     | 138       | 24.27                 | 24.31                    | 24.34                  |                     |          |  |  |
| 100             | 16QAM      | 270     | 0         | 24.31                 | 24.35                    | 24.38                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 90              | QPSK       | 1       | 1         | 23.53                 | 23.53                    | 23.53                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 80              | QPSK       | 1       | 1         | 23.54                 | 23.54                    | 23.54                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 60              | QPSK       | 1       | 1         | 23.54                 | 23.54                    | 23.54                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 50              | QPSK       | 1       | 1         | 23.45                 | 23.45                    | 23.45                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 40              | QPSK       | 1       | 1         | 23.58                 | 23.58                    | 23.58                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 20              | QPSK       | 1       | 1         | 23.54                 | 23.54                    | 23.54                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 15              | QPSK       | 1       | 1         | 23.81                 | 23.81                    | 23.81                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 10              | QPSK       | 1       | 1         | 23.44                 | 23.44                    | 23.44                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |

**PC3 Part27Q n78 Ant6 DSI7**

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 100             | PI2 BPSK   | 1       | 1         | 20.77                 | 20.85                    | 20.88                  | 22.0                | 0.0      |  |  |
| 100             | PI2 BPSK   | 1       | 137       | 20.85                 | 20.93                    | 20.96                  |                     |          |  |  |
| 100             | PI2 BPSK   | 1       | 271       | 20.93                 | 21.01                    | 21.04                  |                     |          |  |  |
| 100             | PI2 BPSK   | 135     | 0         | 21.01                 | 21.09                    | 21.12                  | 22.0                | 0.0      |  |  |
| 100             | PI2 BPSK   | 135     | 138       | 21.09                 | 21.17                    | 21.20                  |                     |          |  |  |
| 100             | PI2 BPSK   | 270     | 0         | 21.17                 | 21.25                    | 21.28                  |                     |          |  |  |
| 100             | QPSK       | 1       | 1         | 21.25                 | 21.33                    | 21.36                  | 22.0                | 0.0      |  |  |
| 100             | QPSK       | 1       | 137       | 21.33                 | 21.41                    | 21.44                  |                     |          |  |  |
| 100             | QPSK       | 1       | 271       | 21.41                 | 21.49                    | 21.52                  |                     |          |  |  |
| 100             | QPSK       | 135     | 0         | 21.49                 | 21.57                    | 21.60                  | 22.0                | 0.0      |  |  |
| 100             | QPSK       | 135     | 138       | 21.57                 | 21.65                    | 21.68                  |                     |          |  |  |
| 100             | QPSK       | 270     | 0         | 21.65                 | 21.73                    | 21.76                  |                     |          |  |  |
| 100             | 16QAM      | 1       | 1         | 21.73                 | 21.81                    | 21.84                  | 22.0                | 0.0      |  |  |
| 100             | 16QAM      | 1       | 137       | 21.81                 | 21.89                    | 21.92                  |                     |          |  |  |
| 100             | 16QAM      | 1       | 271       | 21.89                 | 21.97                    | 22.00                  |                     |          |  |  |
| 100             | 16QAM      | 135     | 0         | 21.97                 | 22.05                    | 22.08                  | 22.0                | 0.0      |  |  |
| 100             | 16QAM      | 135     | 138       | 22.05                 | 22.13                    | 22.16                  |                     |          |  |  |
| 100             | 16QAM      | 270     | 0         | 22.13                 | 22.21                    | 22.24                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 90              | QPSK       | 1       | 1         | 20.70                 | 20.70                    | 20.70                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 80              | QPSK       | 1       | 1         | 20.64                 | 20.64                    | 20.64                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 60              | QPSK       | 1       | 1         | 20.69                 | 20.69                    | 20.69                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 50              | QPSK       | 1       | 1         | 20.67                 | 20.67                    | 20.67                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 40              | QPSK       | 1       | 1         | 20.62                 | 20.62                    | 20.62                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 20              | QPSK       | 1       | 1         | 20.68                 | 20.68                    | 20.68                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 15              | QPSK       | 1       | 1         | 20.59                 | 20.59                    | 20.59                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 10              | QPSK       | 1       | 1         | 20.87                 | 20.87                    | 20.87                  | 22.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |

**PC2 Part27Q n78 Ant6 DSI7**

| Band            | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |  |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|--|--|
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 100             | PI2 BPSK   | 1       | 1         | 23.50                 | 23.74                    | 23.74                  | 25.0                | 0.0      |  |  |
| 100             | PI2 BPSK   | 1       | 137       | 23.74                 | 23.98                    | 23.98                  |                     |          |  |  |
| 100             | PI2 BPSK   | 1       | 271       | 23.98                 | 24.22                    | 24.22                  |                     |          |  |  |
| 100             | PI2 BPSK   | 135     | 0         | 24.22                 | 24.46                    | 24.46                  | 25.0                | 0.0      |  |  |
| 100             | PI2 BPSK   | 135     | 138       | 24.46                 | 24.70                    | 24.70                  |                     |          |  |  |
| 100             | PI2 BPSK   | 270     | 0         | 24.70                 | 24.94                    | 24.94                  |                     |          |  |  |
| 100             | QPSK       | 1       | 1         | 24.94                 | 25.18                    | 25.18                  | 25.0                | 0.0      |  |  |
| 100             | QPSK       | 1       | 137       | 25.18                 | 25.42                    | 25.42                  |                     |          |  |  |
| 100             | QPSK       | 1       | 271       | 25.42                 | 25.66                    | 25.66                  |                     |          |  |  |
| 100             | QPSK       | 135     | 0         | 25.66                 | 25.90                    | 25.90                  | 25.0                | 0.0      |  |  |
| 100             | QPSK       | 135     | 138       | 25.90                 | 26.14                    | 26.14                  |                     |          |  |  |
| 100             | QPSK       | 270     | 0         | 26.14                 | 26.38                    | 26.38                  |                     |          |  |  |
| 100             | 16QAM      | 1       | 1         | 26.38                 | 26.62                    | 26.62                  | 24.5                | 0.5      |  |  |
| 100             | 16QAM      | 1       | 137       | 26.62                 | 26.86                    | 26.86                  |                     |          |  |  |
| 100             | 16QAM      | 1       | 271       | 26.86                 | 27.10                    | 27.10                  |                     |          |  |  |
| 100             | 16QAM      | 135     | 0         | 27.10                 | 27.34                    | 27.34                  | 22.5                | 2.5      |  |  |
| 100             | 16QAM      | 135     | 138       | 27.34                 | 27.58                    | 27.58                  |                     |          |  |  |
| 100             | 16QAM      | 270     | 0         | 27.58                 | 27.82                    | 27.82                  |                     |          |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 90              | QPSK       | 1       | 1         | 23.62                 | 23.54                    | 23.53                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 80              | QPSK       | 1       | 1         | 23.55                 | 23.63                    | 23.55                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 60              | QPSK       | 1       | 1         | 23.64                 | 23.62                    | 23.58                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 50              | QPSK       | 1       | 1         | 23.60                 | 23.63                    | 23.63                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 40              | QPSK       | 1       | 1         | 23.64                 | 23.59                    | 23.42                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 20              | QPSK       | 1       | 1         | 23.58                 | 23.51                    | 23.46                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 15              | QPSK       | 1       | 1         | 23.81                 | 23.81                    | 23.81                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |
| 10              | QPSK       | 1       | 1         | 23.55                 | 23.61                    | 23.58                  | 25.0                | 0.0      |  |  |
| Channel         |            |         |           |                       |                          |                        |                     |          |  |  |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |  |  |



| n2 Ant7 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 37200           | 37600              | 38000            |                     |          |  |
| Frequency (MHz) |            |         |           | 1890            | 1890               | 1900             |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 20.72           | 20.75              | 20.62            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 20.63           | 20.71              | 20.64            | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 20.55           | 20.68              | 20.58            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 20.03           | 20.18              | 20.07            | 21.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 20.70           | 20.73              | 20.63            | 22.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 20.08           | 20.20              | 20.08            |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 20.20           | 20.27              | 20.15            | 21.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 20.76           | 20.83              | 20.71            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 20.69           | 20.79              | 20.73            | 22.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 20.52           | 20.58              | 20.55            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 19.98           | 19.71              | 19.67            | 21.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 20.68           | 20.76              | 20.73            | 22.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 19.68           | 19.68              | 19.57            |                     |          |  |
| 20              | QPSK       | 50      | 0         | 19.61           | 19.72              | 19.59            | 21.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 19.41           | 19.48              | 19.41            | 21.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.08           | 18.14              | 18.03            | 19.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 16.61           | 16.68              | 16.54            | 17.5                | 4.5      |  |
| Channel         |            |         |           | 371500          | 376000             | 380500           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1857.5          | 1890               | 1902.5           |                     |          |  |
| 15              | QPSK       | 1       | 1         | 20.65           | 20.80              | 20.57            | 22.0                | 0.0      |  |
| Channel         |            |         |           | 371000          | 376000             | 381000           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 1865            | 1890               | 1905             |                     |          |  |
| 10              | QPSK       | 1       | 1         | 20.68           | 20.71              | 20.63            | 22.0                | 0.0      |  |

| n5 Ant7 Default |            |         |           |                 |                    |                  |                     |          |  |
|-----------------|------------|---------|-----------|-----------------|--------------------|------------------|---------------------|----------|--|
| BW [MHz]        | Modulation | RB Size | RB Offset | Power           | Power              | Power            | Tune-up limit (dBm) | MPR (dB) |  |
|                 |            |         |           | Low Ch. / Freq. | Middle Ch. / Freq. | High Ch. / Freq. |                     |          |  |
| Channel         |            |         |           | 16800           | 167300             | 167800           |                     |          |  |
| Frequency (MHz) |            |         |           | 834             | 836.5              | 839              |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 1         | 21.68           | 21.73              | 21.70            |                     |          |  |
| 20              | PI/2 BPSK  | 1       | 26        | 21.52           | 21.57              | 21.45            | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 1       | 49        | 21.46           | 21.54              | 21.48            |                     |          |  |
| 20              | PI/2 BPSK  | 25      | 0         | 21.14           | 21.23              | 21.18            | 22.5                | 0.5      |  |
| 20              | PI/2 BPSK  | 25      | 13        | 21.66           | 21.69              | 21.54            | 23.0                | 0.0      |  |
| 20              | PI/2 BPSK  | 25      | 26        | 21.09           | 21.24              | 21.15            |                     |          |  |
| 20              | PI/2 BPSK  | 50      | 0         | 21.15           | 21.29              | 21.15            | 22.5                | 0.5      |  |
| 20              | QPSK       | 1       | 1         | 21.71           | 21.76              | 21.63            |                     |          |  |
| 20              | QPSK       | 1       | 26        | 21.60           | 21.65              | 21.57            | 23.0                | 0.0      |  |
| 20              | QPSK       | 1       | 49        | 21.44           | 21.50              | 21.43            |                     |          |  |
| 20              | QPSK       | 25      | 0         | 20.60           | 20.75              | 20.65            | 22.0                | 1.0      |  |
| 20              | QPSK       | 25      | 13        | 21.60           | 21.70              | 21.62            | 23.0                | 0.0      |  |
| 20              | QPSK       | 25      | 26        | 20.54           | 20.66              | 20.58            |                     |          |  |
| 20              | QPSK       | 50      | 0         | 20.69           | 20.73              | 20.62            | 22.0                | 1.0      |  |
| 20              | 16QAM      | 1       | 1         | 20.29           | 20.41              | 20.38            | 22.0                | 1.0      |  |
| 20              | 64QAM      | 1       | 1         | 18.78           | 18.82              | 18.89            | 20.5                | 2.5      |  |
| 20              | 256QAM     | 1       | 1         | 17.40           | 17.52              | 17.46            | 18.5                | 4.5      |  |
| Channel         |            |         |           | 168300          | 167300             | 168300           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 831.5           | 836.5              | 841.5            |                     |          |  |
| 15              | QPSK       | 1       | 1         | 21.62           | 21.71              | 21.53            | 23.0                | 0.0      |  |
| Channel         |            |         |           | 168800          | 167300             | 168800           | Tune-up limit (dBm) | MPR (dB) |  |
| Frequency (MHz) |            |         |           | 829             | 836.5              | 844              |                     |          |  |
| 10              | QPSK       | 1       | 1         | 21.66           | 21.69              | 21.49            | 23.0                | 0.0      |  |



### Part270 n77 Ant11 DSI7

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq.] | Power Middle Ch. [Freq.] | Power High Ch. [Freq.] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.37                 | 19.47                    | 19.54                  |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.48                 | 19.38                    | 19.20                  | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.32                 | 19.46                    | 19.36                  |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 19.40                 | 19.52                    | 19.22                  | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 19.38                 | 19.34                    | 19.35                  | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 19.31                 | 19.41                    | 19.20                  | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.48                 | 19.45                    | 19.34                  |                     |          |
| 100             | QPSK       | 1       | 1         | 19.32                 | 19.52                    | 19.36                  |                     |          |
| 100             | QPSK       | 1       | 137       | 19.53                 | 19.37                    | 19.36                  | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.51                 | 19.49                    | 19.25                  |                     |          |
| 100             | QPSK       | 135     | 0         | 19.36                 | 19.45                    | 19.22                  | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.46                 | 19.51                    | 19.26                  | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.48                 | 19.34                    | 19.33                  | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.33                 | 19.43                    | 19.30                  |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.44                 | 19.56                    | 19.22                  | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.43                 | 19.40                    | 19.37                  | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.57                 | 19.62                    | 19.78                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 3745.02               | 3840                     | 3965.01                |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 19.33                 | 19.51                    | 19.29                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 19.45                 | 19.40                    | 19.35                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 19.36                 | 19.53                    | 19.28                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 19.42                 | 19.52                    | 19.21                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 30              | QPSK       | 1       | 1         | 19.53                 | 19.33                    | 19.35                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 25              | QPSK       | 1       | 1         | 19.51                 | 19.42                    | 19.22                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 19.31                 | 19.50                    | 19.27                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 19.45                 | 19.41                    | 19.21                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 19.44                 | 19.45                    | 19.30                  | 20.0                | 0.0      |

### Part27Q n77 Ant11 DSI7

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq.] | Power Middle Ch. [Freq.] | Power High Ch. [Freq.] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 19.83                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 19.85                 |                          |                        | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 19.81                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 19.73                 |                          |                        | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 19.80                 |                          |                        | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 19.86                 |                          |                        | 20.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 19.81                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 19.85                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 19.90                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 19.82                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 19.71                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 19.83                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 19.77                 |                          |                        | 20.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 19.71                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 19.85                 |                          |                        | 20.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 19.75                 |                          |                        | 20.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 19.83                 |                          |                        | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3565.02                |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 19.61                 | 19.57                    | 19.79                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 19.72                 | 19.75                    | 19.74                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 19.71                 | 19.56                    | 19.89                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 19.74                 | 19.66                    | 19.73                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 19.67                 | 19.77                    | 19.86                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 19.62                 | 19.58                    | 19.62                  | 20.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 19.77                 | 19.75                    | 19.72                  | 20.0                | 0.0      |

### PC3 Part270 n78 Ant11 DSI7

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. [Freq.] | Power Middle Ch. [Freq.] | Power High Ch. [Freq.] | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 18.34                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 18.37                 |                          |                        | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 18.38                 |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 18.47                 |                          |                        | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 18.34                 |                          |                        | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 18.25                 |                          |                        | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 18.39                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 1         | 18.32                 |                          |                        |                     |          |
| 100             | QPSK       | 1       | 137       | 18.50                 |                          |                        | 19.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 18.38                 |                          |                        |                     |          |
| 100             | QPSK       | 135     | 0         | 18.27                 |                          |                        | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 18.42                 |                          |                        | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 18.34                 |                          |                        | 19.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 18.31                 |                          |                        |                     |          |
| 100             | 16QAM      | 1       | 1         | 18.36                 |                          |                        | 19.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 18.44                 |                          |                        | 19.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 18.36                 |                          |                        | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 3745.02               | 3760                     | 3765.01                |                     |          |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 18.29                 | 18.34                    | 18.32                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 18.28                 | 18.35                    | 18.16                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 18.18                 | 18.18                    | 18.23                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 18.21                 | 18.29                    | 18.20                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 18.21                 | 18.26                    | 18.14                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 18.27                 | 18.33                    | 18.21                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 18.27                 | 18.13                    | 18.25                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 18.33                 | 18.15                    | 18.23                  | 19.0                | 0.0      |



### PC2 Part270 n78 Ant11 DS17

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 20.82                 | 20.82                    | 20.82                  |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 21.09                 | 21.09                    | 21.09                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 21.08                 | 21.08                    | 21.08                  |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 21.07                 | 21.07                    | 21.07                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 20.99                 | 20.99                    | 20.99                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 20.98                 | 20.98                    | 20.98                  |                     |          |
| 100             | QPSK       | 1       | 1         | 20.97                 | 20.97                    | 20.97                  |                     |          |
| 100             | QPSK       | 1       | 137       | 21.13                 | 21.13                    | 21.13                  | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 21.04                 | 21.04                    | 21.04                  |                     |          |
| 100             | QPSK       | 135     | 0         | 20.94                 | 20.94                    | 20.94                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 21.08                 | 21.08                    | 21.08                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 21.01                 | 21.01                    | 21.01                  | 22.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.91                 | 20.91                    | 20.91                  | 22.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 21.11                 | 21.11                    | 21.11                  | 22.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.82                 | 20.82                    | 20.82                  | 22.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 64968                 | 65000                    | 65034                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 3745.02               | 3750                     | 3755.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 64868                 | 65000                    | 65134                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 64834                 | 65000                    | 65168                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 3725.01               | 3750                     | 3775.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 64734                 | 65000                    | 65268                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 3705                  | 3750                     | 3795                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 20.98                 | 20.80                    | 20.82                  | 22.0                | 0.0      |

### PC3 Part270 n78 Ant11 DS17

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 17.27                 | 17.27                    | 17.27                  |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 17.44                 | 17.44                    | 17.44                  | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 17.48                 | 17.48                    | 17.48                  |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 17.76                 | 17.76                    | 17.76                  | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 17.49                 | 17.49                    | 17.49                  | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 17.38                 | 17.38                    | 17.38                  | 19.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 17.54                 | 17.54                    | 17.54                  |                     |          |
| 100             | QPSK       | 1       | 1         | 17.47                 | 17.47                    | 17.47                  |                     |          |
| 100             | QPSK       | 1       | 137       | 17.79                 | 17.79                    | 17.79                  | 19.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 17.47                 | 17.47                    | 17.47                  |                     |          |
| 100             | QPSK       | 135     | 0         | 17.53                 | 17.53                    | 17.53                  | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 17.63                 | 17.63                    | 17.63                  | 19.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 17.55                 | 17.55                    | 17.55                  | 19.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 17.64                 | 17.64                    | 17.64                  | 19.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 17.75                 | 17.75                    | 17.75                  | 19.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 17.25                 | 17.25                    | 17.25                  | 19.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 63008                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 63008                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 3465.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 17.42                 | 17.48                    | 17.57                  | 19.0                | 0.0      |

### PC2 Part270 n78 Ant11 DS17

| BW (MHz)        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 100             | Pi2 BPSK   | 1       | 1         | 20.08                 | 20.08                    | 20.08                  |                     |          |
| 100             | Pi2 BPSK   | 1       | 137       | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 1       | 271       | 20.25                 | 20.25                    | 20.25                  |                     |          |
| 100             | Pi2 BPSK   | 135     | 0         | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 69        | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 135     | 138       | 20.04                 | 20.04                    | 20.04                  | 22.0                | 0.0      |
| 100             | Pi2 BPSK   | 270     | 0         | 20.02                 | 20.02                    | 20.02                  |                     |          |
| 100             | QPSK       | 1       | 1         | 20.15                 | 20.15                    | 20.15                  |                     |          |
| 100             | QPSK       | 1       | 137       | 20.25                 | 20.25                    | 20.25                  | 22.0                | 0.0      |
| 100             | QPSK       | 1       | 271       | 20.08                 | 20.08                    | 20.08                  |                     |          |
| 100             | QPSK       | 135     | 0         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 69        | 20.20                 | 20.20                    | 20.20                  | 22.0                | 0.0      |
| 100             | QPSK       | 135     | 138       | 20.13                 | 20.13                    | 20.13                  | 22.0                | 0.0      |
| 100             | QPSK       | 270     | 0         | 20.12                 | 20.12                    | 20.12                  | 22.0                | 0.0      |
| 100             | 16QAM      | 1       | 1         | 20.24                 | 20.24                    | 20.24                  | 22.0                | 0.0      |
| 100             | 64QAM      | 1       | 1         | 20.34                 | 20.34                    | 20.34                  | 22.0                | 0.0      |
| 100             | 256QAM     | 1       | 1         | 20.07                 | 20.07                    | 20.07                  | 22.0                | 0.0      |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 90              | QPSK       | 1       | 1         | 63300                 | 63334                    | 63368                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 80              | QPSK       | 1       | 1         | 3495                  | 3500.01                  | 3505.02                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 60              | QPSK       | 1       | 1         | 63008                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 50              | QPSK       | 1       | 1         | 63008                 | 63334                    | 63468                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 40              | QPSK       | 1       | 1         | 3475.02               | 3500.01                  | 3525                   | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 20              | QPSK       | 1       | 1         | 63068                 | 63334                    | 63600                  | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 15              | QPSK       | 1       | 1         | 3465.01               | 3500.01                  | 3545.01                | Tune-up limit (dBm) | MPR (dB) |
| Channel         |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz) |            |         |           |                       |                          |                        |                     |          |
| 10              | QPSK       | 1       | 1         | 20.13                 | 20.10                    | 20.09                  | 22.0                | 0.0      |



### Band 23 Ant5 Default

| Sub-carrier Spacing (KHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |    |   |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|----|---|
| Channel                   |            |         |           |                       |                          |                        |                     |          |    |   |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |    |   |
|                           |            |         |           | 2000.1                | 2000                     | 2019.9                 |                     |          |    |   |
| 3.75                      | BPSK       | 1       | 1         | 23.09                 | 23.43                    | 23.38                  | 24                  | 0        |    |   |
| 3.75                      | BPSK       | 1       | 46        | 23.15                 | 23.45                    | 23.45                  |                     |          |    |   |
| 3.75                      | QPSK       | 1       | 1         | 23.24                 | 23.53                    | 23.51                  |                     |          |    |   |
| 3.75                      | QPSK       | 1       | 46        | 23.23                 | 23.48                    | 23.41                  |                     |          |    |   |
| 15                        | BPSK       | 1       | 1         | 23.12                 | 23.49                    | 23.15                  |                     |          |    |   |
| 15                        | BPSK       | 1       | 10        | 23.15                 | 23.46                    | 23.41                  |                     |          |    |   |
| 15                        | QPSK       | 1       | 1         | 23.38                 | 23.40                    | 23.42                  |                     |          |    |   |
| 15                        | QPSK       | 1       | 10        | 23.18                 | 23.38                    | 23.39                  |                     |          |    |   |
| 15                        | QPSK       | 3       | 0         | 21.82                 | 22.20                    | 22.14                  |                     |          | 23 | 1 |
| 15                        | QPSK       | 3       | 9         | 21.85                 | 22.27                    | 22.23                  |                     |          |    |   |
| 15                        | QPSK       | 6       | 0         | 21.43                 | 21.73                    | 21.74                  |                     |          |    |   |
| 15                        | QPSK       | 6       | 6         | 21.34                 | 21.66                    | 21.60                  |                     |          |    |   |
| 15                        | QPSK       | 12      | 0         | 21.41                 | 21.87                    | 21.82                  | 22                  | 2        |    |   |

### Band 255 Ant5 Default

| Sub-carrier Spacing (KHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |    |   |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|----|---|
| Channel                   |            |         |           |                       |                          |                        |                     |          |    |   |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |    |   |
|                           |            |         |           | 1626.7                | 1643.3                   | 1659.9                 |                     |          |    |   |
| 3.75                      | BPSK       | 1       | 1         | 22.23                 | 23.06                    | 22.76                  | 24                  | 0        |    |   |
| 3.75                      | BPSK       | 1       | 46        | 22.27                 | 23.08                    | 22.75                  |                     |          |    |   |
| 3.75                      | QPSK       | 1       | 1         | 22.45                 | 23.26                    | 22.81                  |                     |          |    |   |
| 3.75                      | QPSK       | 1       | 46        | 22.29                 | 23.16                    | 22.77                  |                     |          |    |   |
| 15                        | BPSK       | 1       | 1         | 22.37                 | 23.24                    | 22.84                  |                     |          |    |   |
| 15                        | BPSK       | 1       | 10        | 22.45                 | 23.21                    | 22.96                  |                     |          |    |   |
| 15                        | QPSK       | 1       | 1         | 22.45                 | 23.24                    | 22.85                  |                     |          |    |   |
| 15                        | QPSK       | 1       | 10        | 22.46                 | 23.23                    | 22.93                  |                     |          |    |   |
| 15                        | QPSK       | 3       | 0         | 21.10                 | 22.13                    | 22.41                  |                     |          | 23 | 1 |
| 15                        | QPSK       | 3       | 9         | 21.17                 | 22.14                    | 22.54                  |                     |          |    |   |
| 15                        | QPSK       | 6       | 0         | 20.93                 | 21.50                    | 21.67                  |                     |          |    |   |
| 15                        | QPSK       | 6       | 6         | 20.58                 | 21.52                    | 21.72                  |                     |          |    |   |
| 15                        | QPSK       | 12      | 0         | 20.28                 | 21.10                    | 21.02                  | 22                  | 2        |    |   |



### Band 23 Ant5 DSI3&6

| Sub-carrier Spacing (KHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel                   |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |
|                           |            |         |           | 2000.1                | 2010                     | 2019.9                 |                     |          |
| 3.75                      | BPSK       | 1       | 1         | 22.70                 | 22.86                    | 22.99                  | 23.5                | 0        |
| 3.75                      | BPSK       | 1       | 46        | 22.82                 | 22.86                    | 23.14                  |                     |          |
| 3.75                      | QPSK       | 1       | 1         | 22.68                 | 23.10                    | 23.06                  |                     |          |
| 3.75                      | QPSK       | 1       | 46        | 22.83                 | 22.98                    | 22.91                  |                     |          |
| 15                        | BPSK       | 1       | 1         | 22.68                 | 23.06                    | 22.84                  |                     |          |
| 15                        | BPSK       | 1       | 10        | 22.63                 | 22.92                    | 22.92                  |                     |          |
| 15                        | QPSK       | 1       | 1         | 22.96                 | 22.87                    | 22.83                  |                     |          |
| 15                        | QPSK       | 1       | 10        | 22.76                 | 22.83                    | 22.95                  |                     |          |
| 15                        | QPSK       | 3       | 0         | 21.82                 | 22.20                    | 22.14                  |                     |          |
| 15                        | QPSK       | 3       | 9         | 21.85                 | 22.27                    | 22.23                  |                     |          |
| 15                        | QPSK       | 6       | 0         | 21.43                 | 21.73                    | 21.74                  | 23                  | 0.5      |
| 15                        | QPSK       | 6       | 6         | 21.34                 | 21.66                    | 21.60                  |                     |          |
| 15                        | QPSK       | 12      | 0         | 21.71                 | 21.88                    | 21.93                  |                     |          |

### Band 255 Ant5 Default

| Sub-carrier Spacing (KHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|
| Channel                   |            |         |           |                       |                          |                        |                     |          |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |
|                           |            |         |           | 1626.7                | 1643.3                   | 1659.9                 |                     |          |
| 3.75                      | BPSK       | 1       | 1         | 22.23                 | 23.06                    | 22.76                  | 24                  | 0        |
| 3.75                      | BPSK       | 1       | 46        | 22.27                 | 23.08                    | 22.75                  |                     |          |
| 3.75                      | QPSK       | 1       | 1         | 22.45                 | 23.26                    | 22.81                  |                     |          |
| 3.75                      | QPSK       | 1       | 46        | 22.29                 | 23.16                    | 22.77                  |                     |          |
| 15                        | BPSK       | 1       | 1         | 22.37                 | 23.24                    | 22.84                  |                     |          |
| 15                        | BPSK       | 1       | 10        | 22.45                 | 23.21                    | 22.96                  |                     |          |
| 15                        | QPSK       | 1       | 1         | 22.45                 | 23.24                    | 22.85                  |                     |          |
| 15                        | QPSK       | 1       | 10        | 22.46                 | 23.23                    | 22.93                  |                     |          |
| 15                        | QPSK       | 3       | 0         | 21.10                 | 22.13                    | 22.41                  |                     |          |
| 15                        | QPSK       | 3       | 9         | 21.17                 | 22.14                    | 22.54                  |                     |          |
| 15                        | QPSK       | 6       | 0         | 20.93                 | 21.50                    | 21.67                  | 23                  | 1        |
| 15                        | QPSK       | 6       | 6         | 20.58                 | 21.52                    | 21.72                  |                     |          |
| 15                        | QPSK       | 12      | 0         | 20.28                 | 21.10                    | 21.02                  |                     |          |



### Band 23 Ant5 Default

| Sub-carrier Spacing (KHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |   |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---|
| Channel                   |            |         |           |                       |                          |                        |                     |          |   |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |   |
|                           |            |         |           | 2000.1                | 2010                     | 2019.9                 |                     |          |   |
| 3.75                      | BPSK       | 1       | 1         | 23.09                 | 23.43                    | 23.38                  | 24                  | 0        |   |
| 3.75                      | BPSK       | 1       | 46        | 23.15                 | 23.45                    | 23.45                  |                     |          |   |
| 3.75                      | QPSK       | 1       | 1         | 23.24                 | 23.53                    | 23.51                  |                     |          |   |
| 3.75                      | QPSK       | 1       | 46        | 23.23                 | 23.48                    | 23.41                  |                     |          |   |
| 15                        | BPSK       | 1       | 1         | 23.12                 | 23.49                    | 23.15                  |                     |          |   |
| 15                        | BPSK       | 1       | 10        | 23.15                 | 23.46                    | 23.41                  |                     |          |   |
| 15                        | QPSK       | 1       | 1         | 23.38                 | 23.40                    | 23.42                  |                     |          |   |
| 15                        | QPSK       | 1       | 10        | 23.18                 | 23.38                    | 23.39                  |                     |          |   |
| 15                        | QPSK       | 3       | 0         | 21.82                 | 22.20                    | 22.14                  |                     | 23       | 1 |
| 15                        | QPSK       | 3       | 9         | 21.85                 | 22.27                    | 22.23                  |                     |          |   |
| 15                        | QPSK       | 6       | 0         | 21.43                 | 21.73                    | 21.74                  |                     |          |   |
| 15                        | QPSK       | 6       | 6         | 21.34                 | 21.66                    | 21.60                  |                     |          |   |
| 15                        | QPSK       | 12      | 0         | 21.41                 | 21.87                    | 21.82                  | 22                  | 2        |   |

### Band 255 Ant5 Default

| Sub-carrier Spacing (KHz) | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |   |
|---------------------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|----------|---|
| Channel                   |            |         |           |                       |                          |                        |                     |          |   |
| Frequency (MHz)           |            |         |           |                       |                          |                        |                     |          |   |
|                           |            |         |           | 1626.7                | 1643.3                   | 1659.9                 |                     |          |   |
| 3.75                      | BPSK       | 1       | 1         | 22.23                 | 23.06                    | 22.76                  | 24                  | 0        |   |
| 3.75                      | BPSK       | 1       | 46        | 22.27                 | 23.08                    | 22.75                  |                     |          |   |
| 3.75                      | QPSK       | 1       | 1         | 22.45                 | 23.26                    | 22.81                  |                     |          |   |
| 3.75                      | QPSK       | 1       | 46        | 22.29                 | 23.16                    | 22.77                  |                     |          |   |
| 15                        | BPSK       | 1       | 1         | 22.37                 | 23.24                    | 22.84                  |                     |          |   |
| 15                        | BPSK       | 1       | 10        | 22.45                 | 23.21                    | 22.96                  |                     |          |   |
| 15                        | QPSK       | 1       | 1         | 22.45                 | 23.24                    | 22.85                  |                     |          |   |
| 15                        | QPSK       | 1       | 10        | 22.46                 | 23.23                    | 22.93                  |                     |          |   |
| 15                        | QPSK       | 3       | 0         | 21.10                 | 22.13                    | 22.41                  |                     | 23       | 1 |
| 15                        | QPSK       | 3       | 9         | 21.17                 | 22.14                    | 22.54                  |                     |          |   |
| 15                        | QPSK       | 6       | 0         | 20.93                 | 21.50                    | 21.67                  |                     |          |   |
| 15                        | QPSK       | 6       | 6         | 20.58                 | 21.52                    | 21.72                  |                     |          |   |
| 15                        | QPSK       | 12      | 0         | 20.28                 | 21.10                    | 21.02                  | 22                  | 2        |   |





Conducted Power for WLAN/Bluetooth

| 2.4GHz WLAN       |         |                 |                     | Ant 9 Full Power Receiver off |                     | Receiver on   |                     | Head Simultaneous |              |  |
|-------------------|---------|-----------------|---------------------|-------------------------------|---------------------|---------------|---------------------|-------------------|--------------|--|
| Mode              | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit                 | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit     | Duty Cycle % |  |
| 802.11b 1Mbps     | 1       | 2412            | 18.90               | 20.50                         | 17.22               | 19.00         | 12.32               | 14.00             | 100.00       |  |
|                   | 6       | 2437            | 19.30               | 20.50                         | 17.92               | 19.00         | 12.83               | 14.00             |              |  |
|                   | 11      | 2462            | 19.20               | 20.50                         | 17.90               | 19.00         | 12.82               | 14.00             |              |  |
|                   | 1       | 2412            | 17.20               | 18.50                         |                     | 18.50         |                     | 14.00             |              |  |
|                   | 6       | 2437            | 16.60               | 19.50                         |                     | 19.00         |                     | 14.00             |              |  |
|                   | 11      | 2462            | 18.50               | 19.50                         |                     | 19.00         |                     | 14.00             |              |  |
| 802.11n-HT20 MCS0 | 1       | 2412            | 16.30               | 17.50                         | Not Required        | 18.50         | Not Required        | 14.00             |              |  |
|                   | 6       | 2437            | 17.60               | 18.50                         |                     |               |                     |                   |              |  |
|                   | 11      | 2462            | 17.50               | 18.50                         |                     |               |                     |                   |              |  |
| 802.11n-HT40 MCS0 | 3       | 2422            | 13.40               | 14.50                         | Not Required        | 18.00         | Not Required        | 14.00             |              |  |
|                   | 6       | 2437            | 17.10               | 18.00                         |                     |               |                     |                   |              |  |
|                   | 9       | 2452            | 15.50               | 16.50                         |                     |               |                     |                   |              |  |

| 5.2GHz WLAN         |         |                 |                     |               | Ant 9 Full Power Receiver on |               | Head Simultaneous   |               | Receiver off&extimty |               | Hotspot/Body-worn Simultaneous |  |
|---------------------|---------|-----------------|---------------------|---------------|------------------------------|---------------|---------------------|---------------|----------------------|---------------|--------------------------------|--|
| Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)  | Tune-Up Limit | Duty Cycle %                   |  |
| 802.11a 6Mbps       | 36      | 5180            | 15.87               | 17.00         | Not Required                 | 17.00         | Not Required        | 16.50         | Not Required         | 11.50         |                                |  |
|                     | 40      | 5200            | 17.25               | 18.50         |                              |               |                     |               |                      |               |                                |  |
|                     | 44      | 5220            | 17.39               | 18.50         |                              |               |                     |               |                      |               |                                |  |
|                     | 48      | 5240            | 17.75               | 19.00         |                              |               |                     |               |                      |               |                                |  |
| 802.11n-HT20 MCS0   | 36      | 5180            | 15.75               | 17.00         | Not Required                 | 17.50         | Not Required        | 16.50         | Not Required         | 11.50         |                                |  |
|                     | 40      | 5200            | 16.94               | 18.00         |                              |               |                     |               |                      |               |                                |  |
|                     | 44      | 5220            | 17.06               | 18.00         |                              |               |                     |               |                      |               |                                |  |
| 802.11n-HT40 MCS0   | 48      | 5240            | 17.20               | 18.00         | Not Required                 | 18.00         | Not Required        | 16.50         | Not Required         | 11.50         |                                |  |
|                     | 38      | 5190            | 12.12               | 14.00         |                              |               |                     |               |                      |               |                                |  |
| 802.11ac-VHT20 MCS0 | 46      | 5230            | 16.84               | 18.00         | Not Required                 | 17.50         | Not Required        | 16.50         | Not Required         | 11.50         |                                |  |
|                     | 36      | 5180            | 15.68               | 17.00         |                              |               |                     |               |                      |               |                                |  |
|                     | 44      | 5220            | 16.35               | 17.50         |                              |               |                     |               |                      |               |                                |  |
| 802.11ac-VHT40 MCS0 | 48      | 5240            | 16.67               | 17.50         | Not Required                 | 17.50         | Not Required        | 16.50         | Not Required         | 11.50         |                                |  |
|                     | 38      | 5190            | 12.08               | 13.00         |                              |               |                     |               |                      |               |                                |  |
|                     | 46      | 5230            | 16.36               | 17.50         |                              |               |                     |               |                      |               |                                |  |
| 802.11ac-VHT80 MCS0 | 42      | 5210            | 9.02                | 10.00         | 10.00                        | 10.00         | 10.00               | 10.00         | 10.00                | 90.32         |                                |  |

| 5.3GHz WLAN         |         |                 |                     |               | Ant 9 Full Power Receiver on |               | Head Simultaneous   |               | Receiver off&extimty |               | Body-worn Simultaneous |  |
|---------------------|---------|-----------------|---------------------|---------------|------------------------------|---------------|---------------------|---------------|----------------------|---------------|------------------------|--|
| Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm)  | Tune-Up Limit | Duty Cycle %           |  |
| 802.11a 6Mbps       | 52      | 5260            | 17.62               | 19.00         | Not Required                 | 18.00         | Not Required        | 16.50         | Not Required         | 11.00         |                        |  |
|                     | 56      | 5280            | 17.58               | 19.00         |                              |               |                     |               |                      |               |                        |  |
|                     | 60      | 5300            | 17.74               | 19.00         |                              |               |                     |               |                      |               |                        |  |
|                     | 64      | 5320            | 17.30               | 18.50         |                              |               |                     |               |                      |               |                        |  |
| 802.11n-HT20 MCS0   | 52      | 5260            | 17.06               | 18.00         | Not Required                 | 18.00         | Not Required        | 16.50         | Not Required         | 11.00         |                        |  |
|                     | 56      | 5280            | 17.04               | 18.00         |                              |               |                     |               |                      |               |                        |  |
|                     | 60      | 5300            | 17.19               | 18.00         |                              |               |                     |               |                      |               |                        |  |
| 802.11n-HT40 MCS0   | 64      | 5320            | 16.74               | 18.00         | Not Required                 | 18.00         | Not Required        | 16.50         | Not Required         | 11.00         |                        |  |
|                     | 54      | 5270            | 16.86               | 18.00         |                              |               |                     |               |                      |               |                        |  |
| 802.11ac-VHT20 MCS0 | 62      | 5310            | 12.87               | 14.00         | Not Required                 | 14.00         | Not Required        | 14.00         | Not Required         | 11.00         |                        |  |
|                     | 52      | 5260            | 16.52               | 17.50         |                              |               |                     |               |                      |               |                        |  |
|                     | 56      | 5280            | 16.46               | 17.50         |                              |               |                     |               |                      |               |                        |  |
| 802.11ac-VHT40 MCS0 | 60      | 5300            | 16.65               | 17.50         | Not Required                 | 17.50         | Not Required        | 16.50         | Not Required         | 11.00         |                        |  |
|                     | 64      | 5320            | 16.70               | 17.50         |                              |               |                     |               |                      |               |                        |  |
|                     | 54      | 5270            | 16.42               | 17.50         |                              |               |                     |               |                      |               |                        |  |
| 802.11ac-VHT80 MCS0 | 62      | 5310            | 12.82               | 14.00         | Not Required                 | 14.00         | Not Required        | 14.00         | Not Required         | 11.00         |                        |  |
|                     | 58      | 5290            | 10.22               | 11.00         |                              |               |                     |               |                      |               |                        |  |

| 5.5GHz WLAN         |         |                 |                     |               | Ant 9 Full Power Receiver on |               | Receiver off&extimty |               | Body-worn Simultaneous |  |
|---------------------|---------|-----------------|---------------------|---------------|------------------------------|---------------|----------------------|---------------|------------------------|--|
| Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm)  | Tune-Up Limit | Duty Cycle %           |  |
| 802.11a 6Mbps       | 100     | 5500            | 16.92               | 18.50         | Not Required                 | 13.00         | Not Required         | 9.00          | 97.46                  |  |
|                     | 116     | 5580            | 17.32               | 18.50         |                              |               |                      |               |                        |  |
|                     | 124     | 5620            | 17.24               | 18.50         |                              |               |                      |               |                        |  |
|                     | 132     | 5660            | 17.14               | 18.50         |                              |               |                      |               |                        |  |
|                     | 140     | 5700            | 15.08               | 16.00         |                              |               |                      |               |                        |  |
|                     | 144     | 5720            | 17.11               | 18.50         |                              |               |                      |               |                        |  |
| 802.11n-HT20 MCS0   | 100     | 5500            | 16.35               | 17.50         | Not Required                 | 13.00         | Not Required         | 9.00          | 97.28                  |  |
|                     | 116     | 5580            | 16.73               | 17.50         |                              |               |                      |               |                        |  |
|                     | 124     | 5620            | 16.58               | 17.50         |                              |               |                      |               |                        |  |
|                     | 132     | 5660            | 16.33               | 17.50         |                              |               |                      |               |                        |  |
|                     | 140     | 5700            | 14.38               | 15.50         |                              |               |                      |               |                        |  |
|                     | 144     | 5720            | 16.59               | 17.50         |                              |               |                      |               |                        |  |
| 802.11n-HT40 MCS0   | 102     | 5510            | 13.51               | 14.50         | Not Required                 | 13.00         | Not Required         | 9.00          | 94.92                  |  |
|                     | 110     | 5550            | 16.21               | 17.50         |                              |               |                      |               |                        |  |
|                     | 126     | 5630            | 16.11               | 17.50         |                              |               |                      |               |                        |  |
|                     | 134     | 5670            | 15.77               | 17.00         |                              |               |                      |               |                        |  |
| 802.11ac-VHT20 MCS0 | 100     | 5500            | 15.79               | 17.00         | Not Required                 | 13.00         | Not Required         | 9.00          | 97.41                  |  |
|                     | 116     | 5580            | 16.17               | 17.00         |                              |               |                      |               |                        |  |
|                     | 124     | 5620            | 16.02               | 17.00         |                              |               |                      |               |                        |  |
|                     | 132     | 5660            | 15.94               | 17.00         |                              |               |                      |               |                        |  |
|                     | 140     | 5700            | 14.34               | 15.50         |                              |               |                      |               |                        |  |
|                     | 144     | 5720            | 16.05               | 17.00         |                              |               |                      |               |                        |  |
| 802.11ac-VHT40 MCS0 | 102     | 5510            | 13.46               | 14.50         | Not Required                 | 13.00         | Not Required         | 9.00          | 94.96                  |  |
|                     | 110     | 5550            | 15.61               | 16.50         |                              |               |                      |               |                        |  |
|                     | 126     | 5630            | 15.55               | 16.50         |                              |               |                      |               |                        |  |
|                     | 134     | 5670            | 15.75               | 17.00         |                              |               |                      |               |                        |  |
| 802.11ac-VHT80 MCS0 | 106     | 5530            | 10.47               | 11.50         | Not Required                 | 11.50         | Not Required         | 9.00          | 90.32                  |  |
|                     | 122     | 5610            | 13.59               | 14.50         |                              |               |                      |               |                        |  |
|                     | 136     | 5690            | 13.54               | 14.50         |                              |               |                      |               |                        |  |

| 5.8GHz WLAN         |         |                 |                     |               | Ant 9 Full Power Receiver on |               | Receiver off&extimty |               | Body-worn&Hotspot Simultaneous |  |
|---------------------|---------|-----------------|---------------------|---------------|------------------------------|---------------|----------------------|---------------|--------------------------------|--|
| Mode                | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm)          | Tune-Up Limit | Average power (dBm)  | Tune-Up Limit | Duty Cycle %                   |  |
| 802.11a 6Mbps       | 149     | 5745            | 17.44               | 18.50         | Not Required                 | 12.50         | Not Required         | 7.50          | 97.46                          |  |
|                     | 157     | 5785            | 17.47               | 18.50         |                              |               |                      |               |                                |  |
|                     | 165     | 5825            | 17.31               | 18.50         |                              |               |                      |               |                                |  |
| 802.11n-HT20 MCS0   | 149     | 5745            | 16.95               | 18.00         | Not Required                 | 12.50         | Not Required         | 7.50          | 97.28                          |  |
|                     | 157     | 5785            | 16.97               | 18.00         |                              |               |                      |               |                                |  |
|                     | 165     | 5825            | 16.88               | 18.00         |                              |               |                      |               |                                |  |
| 802.11n-HT40 MCS0   | 151     | 5755            | 16.65               | 17.50         | Not Required                 | 12.50         | Not Required         | 7.50          | 94.92                          |  |
|                     | 159     | 5795            | 16.62               | 17.50         |                              |               |                      |               |                                |  |
| 802.11ac-VHT20 MCS0 | 149     | 5745            | 16.36               | 17.50         | Not Required                 | 12.50         | Not Required         | 7.50          | 97.41                          |  |
|                     | 157     | 5785            | 16.35               | 17.50         |                              |               |                      |               |                                |  |
|                     | 165     | 5825            | 16.28               | 17.50         |                              |               |                      |               |                                |  |
| 802.11ac-VHT40 MCS0 | 151     | 5755            | 16.21               | 17.50         | Not Required                 | 12.50         | Not Required         | 7.50          | 94.96                          |  |
|                     | 159     | 5795            | 16.11               | 17.50         |                              |               |                      |               |                                |  |
| 802.11ac-VHT80 MCS0 | 155     | 5775            | 13.74               | 15.00         | 11.35                        | 12.50         | 6.42                 | 7.50          | 90.32                          |  |

**BT BR/EDR**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |       |       |
|---------------|---------|-----------------|---------------------|-------|-------|
|               |         |                 | 1Mbps               | 2Mbps | 3Mbps |
| BR / EDR      | CH 00   | 2402            | 11.10               | 9.40  | 9.30  |
|               | CH 39   | 2441            | 11.00               | 9.10  | 9.00  |
|               | CH 78   | 2480            | 10.90               | 8.90  | 8.90  |
| Tune-up Limit |         |                 | 12.00               | 10.00 | 10.00 |

**BLE\_1M**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | -1.40               |
|               | CH 19   | 2440            | -0.90               |
|               | CH 39   | 2480            | -0.70               |
| Tune-up Limit |         |                 | 1.00                |

**BLE\_2M**

| Mode          | Channel | Frequency (MHz) | Average power (dBm) |
|---------------|---------|-----------------|---------------------|
| LE            | CH 00   | 2402            | -1.30               |
|               | CH 19   | 2440            | -0.90               |
|               | CH 39   | 2480            | -0.60               |
| Tune-up Limit |         |                 | 1.00                |