



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.72  | 17.97  | 17.56  | 17.84  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.77  | 22.91  | 22.52  | 22.71  | 24.2                   |
| 10              | QPSK   | 1  | 25 | 22.71  | 22.74  | 22.56  | 22.73  |                        |
| 10              | QPSK   | 1  | 49 | 22.78  | 22.76  | 22.58  | 22.68  |                        |
| 10              | QPSK   | 25 | 0  | 21.80  | 21.85  | 21.64  | 21.78  | 23.2                   |
| 10              | QPSK   | 25 | 12 | 21.85  | 21.86  | 21.65  | 21.80  |                        |
| 10              | QPSK   | 25 | 25 | 21.91  | 21.77  | 21.68  | 21.78  |                        |
| 10              | QPSK   | 50 | 0  | 21.92  | 21.98  | 21.74  | 21.78  | 23.2                   |
| 10              | 16QAM  | 1  | 0  | 22.12  | 22.25  | 21.93  | 22.07  |                        |
| 10              | 16QAM  | 1  | 25 | 21.60  | 22.06  | 21.81  | 21.91  |                        |
| 10              | 16QAM  | 1  | 49 | 22.15  | 22.08  | 21.95  | 21.97  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 20.98  | 20.90  | 20.77  | 20.86  |                        |
| 10              | 16QAM  | 25 | 12 | 20.83  | 20.93  | 20.80  | 20.94  |                        |
| 10              | 16QAM  | 25 | 25 | 21.02  | 21.04  | 20.85  | 20.93  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 20.92  | 20.87  | 20.86  | 20.78  |                        |
| 10              | 64QAM  | 1  | 0  | 20.68  | 21.01  | 20.65  | 20.88  |                        |
| 10              | 64QAM  | 1  | 25 | 20.78  | 20.85  | 20.74  | 20.73  | 22.2                   |
| 10              | 64QAM  | 1  | 49 | 20.77  | 20.68  | 20.64  | 20.68  |                        |
| 10              | 64QAM  | 25 | 0  | 19.77  | 19.93  | 19.66  | 19.86  |                        |
| 10              | 64QAM  | 25 | 12 | 19.88  | 19.95  | 19.65  | 19.83  | 21.2                   |
| 10              | 64QAM  | 25 | 25 | 19.81  | 19.97  | 19.81  | 19.88  |                        |
| 10              | 64QAM  | 50 | 0  | 19.77  | 19.80  | 19.77  | 19.89  |                        |
| 10              | 256QAM | 1  | 0  | 17.76  | 17.96  | 17.75  | 17.78  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.70  | 17.75  | 17.61  | 17.81  |                        |
| 10              | 256QAM | 1  | 49 | 17.71  | 17.90  | 17.51  | 17.76  |                        |
| 10              | 256QAM | 25 | 0  | 17.87  | 18.11  | 17.82  | 17.94  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.83  | 17.96  | 17.60  | 17.86  |                        |
| 10              | 256QAM | 25 | 25 | 17.74  | 17.90  | 17.54  | 17.75  |                        |
| 10              | 256QAM | 50 | 0  | 17.81  | 17.85  | 17.70  | 17.88  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.72  | 22.81  | 22.47  | 22.78  | 24.2                   |
| 5               | QPSK   | 1  | 12 | 22.61  | 22.70  | 22.54  | 22.70  |                        |
| 5               | QPSK   | 1  | 24 | 22.93  | 22.75  | 22.59  | 22.67  |                        |
| 5               | QPSK   | 12 | 0  | 21.84  | 21.85  | 21.64  | 21.76  | 23.2                   |
| 5               | QPSK   | 12 | 7  | 21.90  | 21.79  | 21.81  | 21.81  |                        |
| 5               | QPSK   | 12 | 13 | 21.76  | 21.89  | 21.72  | 21.90  |                        |
| 5               | QPSK   | 25 | 0  | 21.79  | 21.83  | 21.68  | 21.94  | 23.2                   |
| 5               | 16QAM  | 1  | 0  | 22.07  | 22.26  | 21.81  | 21.92  |                        |
| 5               | 16QAM  | 1  | 12 | 21.52  | 21.96  | 21.87  | 21.92  |                        |
| 5               | 16QAM  | 1  | 24 | 22.19  | 22.13  | 21.91  | 21.95  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 20.85  | 20.99  | 20.81  | 20.80  |                        |
| 5               | 16QAM  | 12 | 7  | 20.84  | 20.97  | 20.76  | 20.94  |                        |
| 5               | 16QAM  | 12 | 13 | 20.94  | 21.02  | 20.84  | 20.77  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 20.85  | 20.93  | 20.70  | 20.80  |                        |
| 5               | 64QAM  | 1  | 0  | 20.80  | 21.05  | 20.53  | 20.76  |                        |
| 5               | 64QAM  | 1  | 12 | 20.69  | 20.76  | 20.62  | 20.81  | 22.2                   |
| 5               | 64QAM  | 1  | 24 | 20.91  | 20.87  | 20.77  | 20.82  |                        |
| 5               | 64QAM  | 12 | 0  | 19.83  | 20.02  | 19.68  | 19.96  |                        |
| 5               | 64QAM  | 12 | 7  | 19.91  | 19.92  | 19.83  | 19.86  | 21.2                   |
| 5               | 64QAM  | 12 | 13 | 19.93  | 19.78  | 19.66  | 19.89  |                        |
| 5               | 64QAM  | 25 | 0  | 19.79  | 19.86  | 19.79  | 19.94  |                        |
| 5               | 256QAM | 1  | 0  | 17.86  | 17.85  | 17.61  | 17.84  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.71  | 17.81  | 17.67  | 17.67  |                        |
| 5               | 256QAM | 1  | 24 | 17.65  | 17.92  | 17.53  | 17.86  |                        |
| 5               | 256QAM | 12 | 0  | 17.80  | 18.11  | 17.69  | 18.02  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.78  | 17.93  | 17.70  | 17.80  |                        |
| 5               | 256QAM | 12 | 13 | 17.76  | 17.94  | 17.52  | 17.91  |                        |
| 5               | 256QAM | 25 | 0  | 17.70  | 17.79  | 17.54  | 17.81  |                        |



&lt;LTE Band 48\_Ant 6\_Index 7&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 23.57                    | 23.62                           | 23.54                            | 23.67                     | 24.5                   |
| 20              | QPSK       | 1       | 49        | 23.55                    | 23.56                           | 23.59                            | 23.61                     |                        |
| 20              | QPSK       | 1       | 99        | 23.59                    | 23.63                           | 23.58                            | 23.54                     |                        |
| 20              | QPSK       | 50      | 0         | 22.53                    | 22.72                           | 22.66                            | 22.69                     | 23.5                   |
| 20              | QPSK       | 50      | 24        | 22.53                    | 22.60                           | 22.65                            | 22.67                     |                        |
| 20              | QPSK       | 50      | 50        | 22.52                    | 22.60                           | 22.53                            | 22.66                     |                        |
| 20              | QPSK       | 100     | 0         | 22.52                    | 22.60                           | 22.54                            | 22.67                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.58                    | 22.67                           | 22.59                            | 22.75                     | 23.5                   |
| 20              | 16QAM      | 1       | 49        | 22.60                    | 22.67                           | 22.62                            | 22.75                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.52                    | 22.58                           | 22.53                            | 22.67                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.52                    | 21.62                           | 21.55                            | 21.68                     | 22.5                   |
| 20              | 16QAM      | 50      | 24        | 21.53                    | 21.60                           | 21.55                            | 21.68                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.51                    | 21.60                           | 21.55                            | 21.67                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.55                    | 21.63                           | 21.58                            | 21.70                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.25                    | 21.35                           | 21.24                            | 21.43                     | 22.5                   |
| 20              | 64QAM      | 1       | 49        | 21.25                    | 21.34                           | 21.26                            | 21.41                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.20                    | 21.14                           | 21.22                            | 21.35                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.60                    | 20.69                           | 20.62                            | 20.75                     | 21.5                   |
| 20              | 64QAM      | 50      | 24        | 20.58                    | 20.67                           | 20.60                            | 20.74                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.59                    | 20.64                           | 20.55                            | 20.74                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.55                    | 20.64                           | 20.58                            | 20.70                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.32                    | 18.48                           | 18.33                            | 18.42                     | 19.5                   |
| 20              | 256QAM     | 1       | 49        | 18.15                    | 18.30                           | 18.18                            | 18.30                     |                        |
| 20              | 256QAM     | 1       | 99        | 18.25                    | 18.36                           | 18.21                            | 18.39                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.49                    | 18.64                           | 18.57                            | 18.58                     | 19.5                   |
| 20              | 256QAM     | 50      | 24        | 18.46                    | 18.63                           | 18.51                            | 18.56                     |                        |
| 20              | 256QAM     | 50      | 50        | 18.49                    | 18.70                           | 18.54                            | 18.64                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.43                    | 18.55                           | 18.48                            | 18.56                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.55                    | 23.59                           | 23.54                            | 23.53                     | 24.5                   |
| 15              | QPSK       | 1       | 37        | 23.49                    | 23.51                           | 23.41                            | 23.43                     |                        |
| 15              | QPSK       | 1       | 74        | 23.46                    | 23.46                           | 23.55                            | 23.50                     |                        |
| 15              | QPSK       | 36      | 0         | 22.50                    | 22.63                           | 22.52                            | 22.63                     | 23.5                   |
| 15              | QPSK       | 36      | 20        | 22.33                    | 22.58                           | 22.59                            | 22.60                     |                        |
| 15              | QPSK       | 36      | 39        | 22.46                    | 22.52                           | 22.49                            | 22.66                     |                        |
| 15              | QPSK       | 75      | 0         | 22.45                    | 22.51                           | 22.40                            | 22.58                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.50                    | 22.58                           | 22.56                            | 22.67                     | 23.5                   |
| 15              | 16QAM      | 1       | 37        | 22.55                    | 22.52                           | 22.49                            | 22.59                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.51                    | 22.52                           | 22.36                            | 22.52                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.37                    | 21.49                           | 21.41                            | 21.49                     | 22.5                   |
| 15              | 16QAM      | 36      | 20        | 21.40                    | 21.41                           | 21.38                            | 21.59                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.44                    | 21.59                           | 21.35                            | 21.57                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.39                    | 21.46                           | 21.56                            | 21.57                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.19                    | 21.17                           | 21.22                            | 21.31                     | 22.5                   |
| 15              | 64QAM      | 1       | 37        | 21.21                    | 21.23                           | 21.23                            | 21.28                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.14                    | 21.01                           | 21.21                            | 21.15                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.49                    | 20.61                           | 20.56                            | 20.67                     | 21.5                   |
| 15              | 64QAM      | 36      | 20        | 20.38                    | 20.65                           | 20.53                            | 20.74                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.54                    | 20.44                           | 20.47                            | 20.54                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.36                    | 20.60                           | 20.57                            | 20.61                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.21                    | 18.47                           | 18.26                            | 18.24                     | 19.5                   |
| 15              | 256QAM     | 1       | 37        | 17.95                    | 18.17                           | 18.06                            | 18.24                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.07                    | 18.18                           | 18.13                            | 18.20                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.33                    | 18.59                           | 18.45                            | 18.58                     | 19.5                   |
| 15              | 256QAM     | 36      | 20        | 18.28                    | 18.51                           | 18.40                            | 18.50                     |                        |
| 15              | 256QAM     | 36      | 39        | 18.43                    | 18.50                           | 18.52                            | 18.56                     |                        |



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|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.28  | 18.38  | 18.42  | 18.45  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 23.52  | 23.46  | 23.44  | 23.56  | 24.5                   |
| 10              | QPSK   | 1  | 25 | 23.48  | 23.39  | 23.52  | 23.53  |                        |
| 10              | QPSK   | 1  | 49 | 23.44  | 23.44  | 23.57  | 23.48  |                        |
| 10              | QPSK   | 25 | 0  | 22.46  | 22.67  | 22.66  | 22.55  | 23.5                   |
| 10              | QPSK   | 25 | 12 | 22.47  | 22.59  | 22.55  | 22.50  |                        |
| 10              | QPSK   | 25 | 25 | 22.39  | 22.48  | 22.46  | 22.48  |                        |
| 10              | QPSK   | 50 | 0  | 22.50  | 22.54  | 22.37  | 22.63  | 23.5                   |
| 10              | 16QAM  | 1  | 0  | 22.52  | 22.61  | 22.57  | 22.68  |                        |
| 10              | 16QAM  | 1  | 25 | 22.53  | 22.60  | 22.61  | 22.56  |                        |
| 10              | 16QAM  | 1  | 49 | 22.40  | 22.46  | 22.45  | 22.67  | 22.5                   |
| 10              | 16QAM  | 25 | 0  | 21.52  | 21.47  | 21.41  | 21.67  |                        |
| 10              | 16QAM  | 25 | 12 | 21.48  | 21.50  | 21.48  | 21.48  |                        |
| 10              | 16QAM  | 25 | 25 | 21.40  | 21.60  | 21.50  | 21.48  | 22.5                   |
| 10              | 16QAM  | 50 | 0  | 21.39  | 21.51  | 21.51  | 21.52  |                        |
| 10              | 64QAM  | 1  | 0  | 21.24  | 21.32  | 21.20  | 21.34  |                        |
| 10              | 64QAM  | 1  | 25 | 21.15  | 21.15  | 21.24  | 21.35  | 22.5                   |
| 10              | 64QAM  | 1  | 49 | 21.05  | 20.94  | 21.14  | 21.22  |                        |
| 10              | 64QAM  | 25 | 0  | 20.50  | 20.67  | 20.46  | 20.66  |                        |
| 10              | 64QAM  | 25 | 12 | 20.57  | 20.66  | 20.40  | 20.74  | 21.5                   |
| 10              | 64QAM  | 25 | 25 | 20.58  | 20.58  | 20.51  | 20.74  |                        |
| 10              | 64QAM  | 50 | 0  | 20.52  | 20.53  | 20.48  | 20.59  |                        |
| 10              | 256QAM | 1  | 0  | 18.25  | 18.43  | 18.18  | 18.39  | 19.5                   |
| 10              | 256QAM | 1  | 25 | 18.14  | 18.28  | 18.18  | 18.30  |                        |
| 10              | 256QAM | 1  | 49 | 18.17  | 18.34  | 18.21  | 18.39  |                        |
| 10              | 256QAM | 25 | 0  | 18.42  | 18.56  | 18.47  | 18.45  | 19.5                   |
| 10              | 256QAM | 25 | 12 | 18.30  | 18.54  | 18.44  | 18.55  |                        |
| 10              | 256QAM | 25 | 25 | 18.45  | 18.53  | 18.46  | 18.61  |                        |
| 10              | 256QAM | 50 | 0  | 18.26  | 18.41  | 18.40  | 18.53  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 23.49  | 23.43  | 23.48  | 23.62  | 24.5                   |
| 5               | QPSK   | 1  | 12 | 23.48  | 23.52  | 23.42  | 23.52  |                        |
| 5               | QPSK   | 1  | 24 | 23.39  | 23.58  | 23.47  | 23.34  |                        |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.72  | 22.56  | 22.55  | 23.5                   |
| 5               | QPSK   | 12 | 7  | 22.39  | 22.60  | 22.59  | 22.61  |                        |
| 5               | QPSK   | 12 | 13 | 22.32  | 22.46  | 22.42  | 22.59  |                        |
| 5               | QPSK   | 25 | 0  | 22.48  | 22.56  | 22.47  | 22.56  | 23.5                   |
| 5               | 16QAM  | 1  | 0  | 22.42  | 22.60  | 22.43  | 22.74  |                        |
| 5               | 16QAM  | 1  | 12 | 22.41  | 22.47  | 22.53  | 22.69  |                        |
| 5               | 16QAM  | 1  | 24 | 22.33  | 22.57  | 22.38  | 22.54  | 22.5                   |
| 5               | 16QAM  | 12 | 0  | 21.33  | 21.60  | 21.41  | 21.54  |                        |
| 5               | 16QAM  | 12 | 7  | 21.36  | 21.43  | 21.35  | 21.68  |                        |
| 5               | 16QAM  | 12 | 13 | 21.35  | 21.49  | 21.51  | 21.56  | 22.5                   |
| 5               | 16QAM  | 25 | 0  | 21.52  | 21.44  | 21.41  | 21.61  |                        |
| 5               | 64QAM  | 1  | 0  | 21.16  | 21.30  | 21.07  | 21.34  |                        |
| 5               | 64QAM  | 1  | 12 | 21.20  | 21.26  | 21.17  | 21.38  | 22.5                   |
| 5               | 64QAM  | 1  | 24 | 21.09  | 21.04  | 21.09  | 21.30  |                        |
| 5               | 64QAM  | 12 | 0  | 20.51  | 20.56  | 20.60  | 20.62  |                        |
| 5               | 64QAM  | 12 | 7  | 20.39  | 20.66  | 20.60  | 20.58  | 21.5                   |
| 5               | 64QAM  | 12 | 13 | 20.49  | 20.45  | 20.44  | 20.63  |                        |
| 5               | 64QAM  | 25 | 0  | 20.38  | 20.54  | 20.58  | 20.60  |                        |
| 5               | 256QAM | 1  | 0  | 18.18  | 18.34  | 18.29  | 18.23  | 19.5                   |
| 5               | 256QAM | 1  | 12 | 18.12  | 18.22  | 18.17  | 18.28  |                        |
| 5               | 256QAM | 1  | 24 | 18.17  | 18.33  | 18.02  | 18.31  |                        |
| 5               | 256QAM | 12 | 0  | 18.37  | 18.51  | 18.56  | 18.56  | 19.5                   |
| 5               | 256QAM | 12 | 7  | 18.46  | 18.62  | 18.44  | 18.55  |                        |
| 5               | 256QAM | 12 | 13 | 18.33  | 18.54  | 18.53  | 18.51  |                        |
| 5               | 256QAM | 25 | 0  | 18.28  | 18.39  | 18.32  | 18.45  |                        |

&lt;LTE Band 48\_Ant 1\_Index 7&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 17.81                 | 17.89                        | 17.84                         | 17.79                  | 18.1                |
| 20              | QPSK       | 1       | 49        | 17.81                 | 17.81                        | 17.78                         | 17.72                  |                     |
| 20              | QPSK       | 1       | 99        | 17.75                 | 17.87                        | 17.75                         | 17.66                  |                     |
| 20              | QPSK       | 50      | 0         | 17.76                 | 17.84                        | 17.84                         | 17.73                  | 18.1                |
| 20              | QPSK       | 50      | 24        | 17.76                 | 17.82                        | 17.83                         | 17.72                  |                     |
| 20              | QPSK       | 50      | 50        | 17.77                 | 17.83                        | 17.80                         | 17.71                  |                     |
| 20              | QPSK       | 100     | 0         | 17.73                 | 17.83                        | 17.77                         | 17.73                  |                     |
| 20              | 16QAM      | 1       | 0         | 17.79                 | 17.78                        | 17.76                         | 17.76                  | 18.1                |
| 20              | 16QAM      | 1       | 49        | 17.77                 | 17.77                        | 17.76                         | 17.72                  |                     |
| 20              | 16QAM      | 1       | 99        | 17.79                 | 17.82                        | 17.81                         | 17.73                  |                     |
| 20              | 16QAM      | 50      | 0         | 17.80                 | 17.84                        | 17.76                         | 17.76                  | 18.1                |
| 20              | 16QAM      | 50      | 24        | 17.82                 | 17.86                        | 17.78                         | 17.76                  |                     |
| 20              | 16QAM      | 50      | 50        | 17.80                 | 17.86                        | 17.79                         | 17.75                  |                     |
| 20              | 16QAM      | 100     | 0         | 17.78                 | 17.85                        | 17.77                         | 17.75                  |                     |
| 20              | 64QAM      | 1       | 0         | 17.50                 | 17.58                        | 17.48                         | 17.50                  | 18.1                |
| 20              | 64QAM      | 1       | 49        | 17.56                 | 17.45                        | 17.52                         | 17.50                  |                     |
| 20              | 64QAM      | 1       | 99        | 17.49                 | 17.55                        | 17.52                         | 17.45                  |                     |
| 20              | 64QAM      | 50      | 0         | 17.87                 | 17.84                        | 17.73                         | 17.80                  | 18.1                |
| 20              | 64QAM      | 50      | 24        | 17.88                 | 17.82                        | 17.83                         | 17.80                  |                     |
| 20              | 64QAM      | 50      | 50        | 17.85                 | 17.81                        | 17.84                         | 17.82                  |                     |
| 20              | 64QAM      | 100     | 0         | 17.87                 | 17.82                        | 17.85                         | 17.83                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.78                 | 17.87                        | 17.73                         | 17.76                  | 18.1                |
| 20              | 256QAM     | 1       | 49        | 17.61                 | 17.84                        | 17.79                         | 17.64                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.68                 | 17.81                        | 17.83                         | 17.74                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.65                 | 17.82                        | 17.75                         | 17.66                  | 18.1                |
| 20              | 256QAM     | 50      | 24        | 17.71                 | 17.87                        | 17.76                         | 17.68                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.69                 | 17.84                        | 17.65                         | 17.73                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.69                 | 17.69                        | 17.72                         | 17.62                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 17.74                 | 17.87                        | 17.82                         | 17.64                  | 18.1                |
| 15              | QPSK       | 1       | 37        | 17.66                 | 17.75                        | 17.69                         | 17.70                  |                     |
| 15              | QPSK       | 1       | 74        | 17.74                 | 17.76                        | 17.69                         | 17.53                  |                     |
| 15              | QPSK       | 36      | 0         | 17.57                 | 17.84                        | 17.72                         | 17.71                  | 18.1                |
| 15              | QPSK       | 36      | 20        | 17.76                 | 17.76                        | 17.80                         | 17.61                  |                     |
| 15              | QPSK       | 36      | 39        | 17.77                 | 17.72                        | 17.72                         | 17.62                  |                     |
| 15              | QPSK       | 75      | 0         | 17.55                 | 17.76                        | 17.58                         | 17.72                  |                     |
| 15              | 16QAM      | 1       | 0         | 17.59                 | 17.60                        | 17.66                         | 17.65                  | 18.1                |
| 15              | 16QAM      | 1       | 37        | 17.75                 | 17.74                        | 17.59                         | 17.72                  |                     |
| 15              | 16QAM      | 1       | 74        | 17.79                 | 17.73                        | 17.74                         | 17.60                  |                     |
| 15              | 16QAM      | 36      | 0         | 17.74                 | 17.84                        | 17.62                         | 17.70                  | 18.1                |
| 15              | 16QAM      | 36      | 20        | 17.75                 | 17.82                        | 17.59                         | 17.72                  |                     |
| 15              | 16QAM      | 36      | 39        | 17.76                 | 17.85                        | 17.71                         | 17.65                  |                     |
| 15              | 16QAM      | 75      | 0         | 17.60                 | 17.65                        | 17.65                         | 17.57                  |                     |
| 15              | 64QAM      | 1       | 0         | 17.37                 | 17.56                        | 17.45                         | 17.46                  | 18.1                |
| 15              | 64QAM      | 1       | 37        | 17.48                 | 17.27                        | 17.52                         | 17.39                  |                     |
| 15              | 64QAM      | 1       | 74        | 17.42                 | 17.45                        | 17.49                         | 17.44                  |                     |
| 15              | 64QAM      | 36      | 0         | 17.76                 | 17.77                        | 17.61                         | 17.66                  | 18.1                |
| 15              | 64QAM      | 36      | 20        | 17.74                 | 17.63                        | 17.65                         | 17.73                  |                     |
| 15              | 64QAM      | 36      | 39        | 17.70                 | 17.79                        | 17.78                         | 17.65                  |                     |
| 15              | 64QAM      | 75      | 0         | 17.67                 | 17.77                        | 17.84                         | 17.66                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.72                 | 17.84                        | 17.65                         | 17.71                  | 18.1                |
| 15              | 256QAM     | 1       | 37        | 17.42                 | 17.79                        | 17.68                         | 17.63                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.67                 | 17.79                        | 17.74                         | 17.68                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.52                 | 17.80                        | 17.58                         | 17.53                  | 18.1                |
| 15              | 256QAM     | 36      | 20        | 17.55                 | 17.72                        | 17.59                         | 17.54                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.68                 | 17.74                        | 17.56                         | 17.65                  |                     |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.68  | 17.56  | 17.59  | 17.49  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 17.67  | 17.81  | 17.69  | 17.76  | 18.1                   |
| 10              | QPSK   | 1  | 25 | 17.74  | 17.69  | 17.69  | 17.69  |                        |
| 10              | QPSK   | 1  | 49 | 17.62  | 17.77  | 17.68  | 17.51  |                        |
| 10              | QPSK   | 25 | 0  | 17.58  | 17.71  | 17.65  | 17.54  | 18.1                   |
| 10              | QPSK   | 25 | 12 | 17.74  | 17.66  | 17.66  | 17.61  |                        |
| 10              | QPSK   | 25 | 25 | 17.77  | 17.73  | 17.71  | 17.60  |                        |
| 10              | QPSK   | 50 | 0  | 17.61  | 17.81  | 17.63  | 17.58  | 18.1                   |
| 10              | 16QAM  | 1  | 0  | 17.62  | 17.69  | 17.68  | 17.65  |                        |
| 10              | 16QAM  | 1  | 25 | 17.63  | 17.61  | 17.71  | 17.66  |                        |
| 10              | 16QAM  | 1  | 49 | 17.65  | 17.71  | 17.74  | 17.69  | 18.1                   |
| 10              | 16QAM  | 25 | 0  | 17.74  | 17.65  | 17.66  | 17.70  |                        |
| 10              | 16QAM  | 25 | 12 | 17.77  | 17.68  | 17.74  | 17.56  |                        |
| 10              | 16QAM  | 25 | 25 | 17.64  | 17.66  | 17.60  | 17.55  | 18.1                   |
| 10              | 16QAM  | 50 | 0  | 17.74  | 17.66  | 17.71  | 17.75  |                        |
| 10              | 64QAM  | 1  | 0  | 17.40  | 17.44  | 17.31  | 17.49  |                        |
| 10              | 64QAM  | 1  | 25 | 17.39  | 17.30  | 17.41  | 17.34  | 18.1                   |
| 10              | 64QAM  | 1  | 49 | 17.46  | 17.45  | 17.38  | 17.33  |                        |
| 10              | 64QAM  | 25 | 0  | 17.71  | 17.71  | 17.61  | 17.66  |                        |
| 10              | 64QAM  | 25 | 12 | 17.71  | 17.70  | 17.76  | 17.61  | 18.1                   |
| 10              | 64QAM  | 25 | 25 | 17.70  | 17.62  | 17.71  | 17.73  |                        |
| 10              | 64QAM  | 50 | 0  | 17.73  | 17.62  | 17.81  | 17.64  |                        |
| 10              | 256QAM | 1  | 0  | 17.61  | 17.76  | 17.67  | 17.75  | 18.1                   |
| 10              | 256QAM | 1  | 25 | 17.43  | 17.68  | 17.61  | 17.59  |                        |
| 10              | 256QAM | 1  | 49 | 17.63  | 17.61  | 17.81  | 17.61  |                        |
| 10              | 256QAM | 25 | 0  | 17.59  | 17.76  | 17.55  | 17.63  | 18.1                   |
| 10              | 256QAM | 25 | 12 | 17.61  | 17.74  | 17.70  | 17.48  |                        |
| 10              | 256QAM | 25 | 25 | 17.50  | 17.81  | 17.52  | 17.67  |                        |
| 10              | 256QAM | 50 | 0  | 17.55  | 17.61  | 17.63  | 17.46  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 17.74  | 17.84  | 17.82  | 17.61  | 18.1                   |
| 5               | QPSK   | 1  | 12 | 17.81  | 17.63  | 17.69  | 17.59  |                        |
| 5               | QPSK   | 1  | 24 | 17.69  | 17.72  | 17.70  | 17.65  |                        |
| 5               | QPSK   | 12 | 0  | 17.58  | 17.76  | 17.76  | 17.69  | 18.1                   |
| 5               | QPSK   | 12 | 7  | 17.70  | 17.72  | 17.75  | 17.52  |                        |
| 5               | QPSK   | 12 | 13 | 17.67  | 17.81  | 17.77  | 17.68  |                        |
| 5               | QPSK   | 25 | 0  | 17.56  | 17.81  | 17.63  | 17.55  | 18.1                   |
| 5               | 16QAM  | 1  | 0  | 17.77  | 17.67  | 17.67  | 17.73  |                        |
| 5               | 16QAM  | 1  | 12 | 17.70  | 17.77  | 17.57  | 17.63  |                        |
| 5               | 16QAM  | 1  | 24 | 17.66  | 17.82  | 17.62  | 17.64  | 18.1                   |
| 5               | 16QAM  | 12 | 0  | 17.76  | 17.74  | 17.69  | 17.61  |                        |
| 5               | 16QAM  | 12 | 7  | 17.75  | 17.73  | 17.62  | 17.64  |                        |
| 5               | 16QAM  | 12 | 13 | 17.65  | 17.80  | 17.77  | 17.75  | 18.1                   |
| 5               | 16QAM  | 25 | 0  | 17.63  | 17.67  | 17.63  | 17.67  |                        |
| 5               | 64QAM  | 1  | 0  | 17.48  | 17.56  | 17.31  | 17.41  |                        |
| 5               | 64QAM  | 1  | 12 | 17.44  | 17.32  | 17.45  | 17.34  | 18.1                   |
| 5               | 64QAM  | 1  | 24 | 17.45  | 17.51  | 17.45  | 17.25  |                        |
| 5               | 64QAM  | 12 | 0  | 17.73  | 17.68  | 17.59  | 17.61  |                        |
| 5               | 64QAM  | 12 | 7  | 17.79  | 17.75  | 17.82  | 17.79  | 18.1                   |
| 5               | 64QAM  | 12 | 13 | 17.73  | 17.61  | 17.71  | 17.69  |                        |
| 5               | 64QAM  | 25 | 0  | 17.84  | 17.74  | 17.68  | 17.67  |                        |
| 5               | 256QAM | 1  | 0  | 17.64  | 17.84  | 17.62  | 17.73  | 18.1                   |
| 5               | 256QAM | 1  | 12 | 17.51  | 17.84  | 17.59  | 17.45  |                        |
| 5               | 256QAM | 1  | 24 | 17.51  | 17.63  | 17.64  | 17.71  |                        |
| 5               | 256QAM | 12 | 0  | 17.57  | 17.64  | 17.59  | 17.58  | 18.1                   |
| 5               | 256QAM | 12 | 7  | 17.63  | 17.76  | 17.56  | 17.52  |                        |
| 5               | 256QAM | 12 | 13 | 17.53  | 17.69  | 17.65  | 17.58  |                        |
| 5               | 256QAM | 25 | 0  | 17.60  | 17.52  | 17.67  | 17.58  |                        |



&lt;LTE Band 48\_Ant 2\_Index 7&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.74                    | 23.05                           | 22.67                            | 22.83                     | 24.2                   |
| 20              | QPSK       | 1       | 49        | 22.72                    | 22.79                           | 22.78                            | 22.96                     |                        |
| 20              | QPSK       | 1       | 99        | 22.81                    | 22.78                           | 22.72                            | 22.92                     |                        |
| 20              | QPSK       | 50      | 0         | 21.84                    | 22.00                           | 21.71                            | 21.95                     | 23.2                   |
| 20              | QPSK       | 50      | 24        | 21.84                    | 21.94                           | 21.70                            | 21.97                     |                        |
| 20              | QPSK       | 50      | 50        | 21.89                    | 21.95                           | 21.70                            | 21.88                     |                        |
| 20              | QPSK       | 100     | 0         | 21.87                    | 21.96                           | 21.70                            | 21.85                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.85                    | 22.03                           | 21.69                            | 21.86                     | 23.2                   |
| 20              | 16QAM      | 1       | 49        | 21.89                    | 21.94                           | 21.67                            | 21.87                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.93                    | 21.89                           | 21.69                            | 21.91                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.89                    | 21.02                           | 20.72                            | 20.88                     | 22.2                   |
| 20              | 16QAM      | 50      | 24        | 20.92                    | 20.99                           | 20.71                            | 20.89                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.94                    | 20.95                           | 20.72                            | 20.90                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.91                    | 20.98                           | 20.71                            | 20.87                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.57                    | 20.64                           | 20.42                            | 20.55                     | 22.2                   |
| 20              | 64QAM      | 1       | 49        | 20.70                    | 20.71                           | 20.45                            | 20.62                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.64                    | 20.58                           | 20.37                            | 20.60                     |                        |
| 20              | 64QAM      | 50      | 0         | 19.94                    | 20.07                           | 19.76                            | 19.92                     | 21.2                   |
| 20              | 64QAM      | 50      | 24        | 19.95                    | 20.01                           | 19.73                            | 19.92                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.98                    | 19.98                           | 19.75                            | 19.92                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.94                    | 20.02                           | 19.74                            | 19.92                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.75                    | 17.88                           | 17.60                            | 17.72                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.60                    | 17.75                           | 17.41                            | 17.58                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.60                    | 17.69                           | 17.41                            | 17.58                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.88                    | 18.04                           | 17.75                            | 17.86                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.92                    | 18.04                           | 17.74                            | 17.86                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.91                    | 18.03                           | 17.73                            | 17.83                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.79                    | 17.92                           | 17.73                            | 17.85                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.69                    | 22.93                           | 22.66                            | 22.67                     | 24.2                   |
| 15              | QPSK       | 1       | 37        | 22.53                    | 22.65                           | 22.64                            | 22.84                     |                        |
| 15              | QPSK       | 1       | 74        | 22.74                    | 22.70                           | 22.66                            | 22.89                     |                        |
| 15              | QPSK       | 36      | 0         | 21.70                    | 21.87                           | 21.63                            | 21.78                     | 23.2                   |
| 15              | QPSK       | 36      | 20        | 21.72                    | 21.84                           | 21.69                            | 21.83                     |                        |
| 15              | QPSK       | 36      | 39        | 21.79                    | 21.94                           | 21.59                            | 21.72                     |                        |
| 15              | QPSK       | 75      | 0         | 21.80                    | 21.91                           | 21.54                            | 21.78                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.82                    | 21.89                           | 21.59                            | 21.84                     | 23.2                   |
| 15              | 16QAM      | 1       | 37        | 21.70                    | 21.86                           | 21.61                            | 21.82                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.91                    | 21.71                           | 21.54                            | 21.86                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.70                    | 20.89                           | 20.70                            | 20.79                     | 22.2                   |
| 15              | 16QAM      | 36      | 20        | 20.74                    | 20.90                           | 20.66                            | 20.73                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.77                    | 20.80                           | 20.71                            | 20.74                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.89                    | 20.98                           | 20.55                            | 20.76                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.49                    | 20.46                           | 20.42                            | 20.40                     | 22.2                   |
| 15              | 64QAM      | 1       | 37        | 20.69                    | 20.63                           | 20.29                            | 20.46                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.49                    | 20.47                           | 20.27                            | 20.60                     |                        |
| 15              | 64QAM      | 36      | 0         | 19.90                    | 19.95                           | 19.74                            | 19.85                     | 21.2                   |
| 15              | 64QAM      | 36      | 20        | 19.93                    | 19.82                           | 19.71                            | 19.72                     |                        |
| 15              | 64QAM      | 36      | 39        | 19.83                    | 19.91                           | 19.70                            | 19.72                     |                        |
| 15              | 64QAM      | 75      | 0         | 19.80                    | 19.95                           | 19.60                            | 19.72                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.63                    | 17.80                           | 17.54                            | 17.66                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.46                    | 17.58                           | 17.21                            | 17.47                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.48                    | 17.56                           | 17.30                            | 17.58                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.82                    | 18.02                           | 17.65                            | 17.68                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.75                    | 17.87                           | 17.74                            | 17.74                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.74                    | 17.98                           | 17.71                            | 17.79                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.68  | 17.84  | 17.64  | 17.79  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.71  | 22.93  | 22.60  | 22.80  | 24.2                   |
| 10              | QPSK   | 1  | 25 | 22.67  | 22.77  | 22.67  | 22.95  |                        |
| 10              | QPSK   | 1  | 49 | 22.75  | 22.63  | 22.58  | 22.81  |                        |
| 10              | QPSK   | 25 | 0  | 21.74  | 21.84  | 21.68  | 21.76  | 23.2                   |
| 10              | QPSK   | 25 | 12 | 21.65  | 21.76  | 21.56  | 21.86  |                        |
| 10              | QPSK   | 25 | 25 | 21.79  | 21.88  | 21.54  | 21.79  |                        |
| 10              | QPSK   | 50 | 0  | 21.83  | 21.94  | 21.69  | 21.66  | 23.2                   |
| 10              | 16QAM  | 1  | 0  | 21.71  | 22.02  | 21.68  | 21.67  |                        |
| 10              | 16QAM  | 1  | 25 | 21.84  | 21.81  | 21.54  | 21.81  |                        |
| 10              | 16QAM  | 1  | 49 | 21.81  | 21.73  | 21.61  | 21.78  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 20.80  | 20.88  | 20.58  | 20.81  |                        |
| 10              | 16QAM  | 25 | 12 | 20.86  | 20.92  | 20.71  | 20.79  |                        |
| 10              | 16QAM  | 25 | 25 | 20.77  | 20.92  | 20.57  | 20.90  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 20.73  | 20.95  | 20.64  | 20.81  |                        |
| 10              | 64QAM  | 1  | 0  | 20.42  | 20.50  | 20.24  | 20.51  |                        |
| 10              | 64QAM  | 1  | 25 | 20.59  | 20.58  | 20.25  | 20.59  | 22.2                   |
| 10              | 64QAM  | 1  | 49 | 20.52  | 20.41  | 20.24  | 20.47  |                        |
| 10              | 64QAM  | 25 | 0  | 19.81  | 19.93  | 19.68  | 19.88  |                        |
| 10              | 64QAM  | 25 | 12 | 19.85  | 19.96  | 19.66  | 19.82  | 21.2                   |
| 10              | 64QAM  | 25 | 25 | 19.81  | 19.78  | 19.75  | 19.74  |                        |
| 10              | 64QAM  | 50 | 0  | 19.91  | 19.85  | 19.66  | 19.83  |                        |
| 10              | 256QAM | 1  | 0  | 17.63  | 17.78  | 17.59  | 17.72  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.57  | 17.70  | 17.26  | 17.52  |                        |
| 10              | 256QAM | 1  | 49 | 17.49  | 17.65  | 17.29  | 17.56  |                        |
| 10              | 256QAM | 25 | 0  | 17.88  | 18.04  | 17.67  | 17.86  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.83  | 17.92  | 17.65  | 17.80  |                        |
| 10              | 256QAM | 25 | 25 | 17.90  | 17.90  | 17.64  | 17.83  |                        |
| 10              | 256QAM | 50 | 0  | 17.72  | 17.72  | 17.73  | 17.68  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.64  | 22.88  | 22.51  | 22.81  | 24.2                   |
| 5               | QPSK   | 1  | 12 | 22.64  | 22.76  | 22.65  | 22.77  |                        |
| 5               | QPSK   | 1  | 24 | 22.67  | 22.71  | 22.55  | 22.87  |                        |
| 5               | QPSK   | 12 | 0  | 21.82  | 21.95  | 21.59  | 21.81  | 23.2                   |
| 5               | QPSK   | 12 | 7  | 21.64  | 21.94  | 21.60  | 21.91  |                        |
| 5               | QPSK   | 12 | 13 | 21.89  | 21.86  | 21.66  | 21.86  |                        |
| 5               | QPSK   | 25 | 0  | 21.85  | 21.78  | 21.57  | 21.71  | 23.2                   |
| 5               | 16QAM  | 1  | 0  | 21.83  | 21.99  | 21.65  | 21.72  |                        |
| 5               | 16QAM  | 1  | 12 | 21.72  | 21.89  | 21.65  | 21.69  |                        |
| 5               | 16QAM  | 1  | 24 | 21.78  | 21.76  | 21.56  | 21.90  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 20.87  | 20.93  | 20.65  | 20.75  |                        |
| 5               | 16QAM  | 12 | 7  | 20.85  | 20.96  | 20.55  | 20.80  |                        |
| 5               | 16QAM  | 12 | 13 | 20.74  | 20.92  | 20.57  | 20.71  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 20.77  | 20.86  | 20.65  | 20.67  |                        |
| 5               | 64QAM  | 1  | 0  | 20.55  | 20.49  | 20.26  | 20.52  |                        |
| 5               | 64QAM  | 1  | 12 | 20.58  | 20.57  | 20.32  | 20.48  | 22.2                   |
| 5               | 64QAM  | 1  | 24 | 20.63  | 20.53  | 20.34  | 20.51  |                        |
| 5               | 64QAM  | 12 | 0  | 19.77  | 19.93  | 19.60  | 19.79  |                        |
| 5               | 64QAM  | 12 | 7  | 19.82  | 20.00  | 19.59  | 19.75  | 21.2                   |
| 5               | 64QAM  | 12 | 13 | 19.91  | 19.89  | 19.62  | 19.86  |                        |
| 5               | 64QAM  | 25 | 0  | 19.87  | 19.82  | 19.71  | 19.76  |                        |
| 5               | 256QAM | 1  | 0  | 17.67  | 17.69  | 17.58  | 17.66  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.49  | 17.62  | 17.37  | 17.42  |                        |
| 5               | 256QAM | 1  | 24 | 17.41  | 17.58  | 17.21  | 17.53  |                        |
| 5               | 256QAM | 12 | 0  | 17.86  | 18.04  | 17.62  | 17.73  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.81  | 18.01  | 17.64  | 17.80  |                        |
| 5               | 256QAM | 12 | 13 | 17.76  | 17.96  | 17.61  | 17.83  |                        |
| 5               | 256QAM | 25 | 0  | 17.60  | 17.89  | 17.69  | 17.81  |                        |



&lt;LTE Band 48\_Ant 5\_Index 7&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.81                    | 22.94                           | 22.64                            | 22.83                     | 24.2                   |
| 20              | QPSK       | 1       | 49        | 22.79                    | 22.82                           | 22.61                            | 22.75                     |                        |
| 20              | QPSK       | 1       | 99        | 22.93                    | 22.84                           | 22.76                            | 22.82                     |                        |
| 20              | QPSK       | 50      | 0         | 21.90                    | 22.03                           | 21.81                            | 21.95                     | 23.2                   |
| 20              | QPSK       | 50      | 24        | 21.93                    | 21.99                           | 21.84                            | 21.95                     |                        |
| 20              | QPSK       | 50      | 50        | 21.96                    | 21.97                           | 21.85                            | 21.94                     |                        |
| 20              | QPSK       | 100     | 0         | 21.93                    | 22.01                           | 21.83                            | 21.95                     | 23.2                   |
| 20              | 16QAM      | 1       | 0         | 22.16                    | 22.30                           | 21.99                            | 22.07                     |                        |
| 20              | 16QAM      | 1       | 49        | 21.69                    | 22.15                           | 21.94                            | 22.08                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.26                    | 22.18                           | 22.08                            | 22.14                     | 22.2                   |
| 20              | 16QAM      | 50      | 0         | 20.98                    | 21.10                           | 20.85                            | 20.99                     |                        |
| 20              | 16QAM      | 50      | 24        | 21.00                    | 21.07                           | 20.87                            | 20.99                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.02                    | 21.04                           | 20.91                            | 20.97                     | 22.2                   |
| 20              | 16QAM      | 100     | 0         | 20.98                    | 21.06                           | 20.86                            | 20.97                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.86                    | 21.05                           | 20.73                            | 20.89                     |                        |
| 20              | 64QAM      | 1       | 49        | 20.85                    | 20.87                           | 20.82                            | 20.83                     | 21.2                   |
| 20              | 64QAM      | 1       | 99        | 20.92                    | 20.87                           | 20.78                            | 20.82                     |                        |
| 20              | 64QAM      | 50      | 0         | 19.92                    | 20.04                           | 19.81                            | 19.96                     |                        |
| 20              | 64QAM      | 50      | 24        | 19.94                    | 20.00                           | 19.83                            | 19.96                     | 19.2                   |
| 20              | 64QAM      | 50      | 50        | 19.98                    | 19.98                           | 19.86                            | 19.95                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.94                    | 19.98                           | 19.83                            | 19.94                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.90                    | 18.03                           | 17.75                            | 17.95                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.77                    | 17.89                           | 17.68                            | 17.82                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.81                    | 17.95                           | 17.63                            | 17.88                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.92                    | 18.12                           | 17.83                            | 18.04                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.95                    | 18.05                           | 17.75                            | 17.93                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.89                    | 18.01                           | 17.72                            | 17.92                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.84                    | 17.98                           | 17.72                            | 17.94                     | Tune-up limit<br>(dBm) |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     |                        |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.65                    | 22.89                           | 22.51                            | 22.70                     | 24.2                   |
| 15              | QPSK       | 1       | 37        | 22.62                    | 22.80                           | 22.61                            | 22.70                     |                        |
| 15              | QPSK       | 1       | 74        | 22.86                    | 22.79                           | 22.62                            | 22.66                     |                        |
| 15              | QPSK       | 36      | 0         | 21.78                    | 21.87                           | 21.79                            | 21.88                     | 23.2                   |
| 15              | QPSK       | 36      | 20        | 21.84                    | 21.81                           | 21.75                            | 21.87                     |                        |
| 15              | QPSK       | 36      | 39        | 21.93                    | 21.93                           | 21.73                            | 21.83                     |                        |
| 15              | QPSK       | 75      | 0         | 21.79                    | 22.00                           | 21.75                            | 21.78                     | 23.2                   |
| 15              | 16QAM      | 1       | 0         | 22.15                    | 22.13                           | 21.96                            | 21.87                     |                        |
| 15              | 16QAM      | 1       | 37        | 21.55                    | 22.03                           | 21.79                            | 21.98                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.21                    | 22.11                           | 22.08                            | 22.01                     | 22.2                   |
| 15              | 16QAM      | 36      | 0         | 20.82                    | 21.09                           | 20.65                            | 20.79                     |                        |
| 15              | 16QAM      | 36      | 20        | 20.84                    | 20.88                           | 20.83                            | 20.80                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.97                    | 20.91                           | 20.81                            | 20.93                     | 22.2                   |
| 15              | 16QAM      | 75      | 0         | 20.81                    | 21.01                           | 20.67                            | 20.78                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.81                    | 20.89                           | 20.68                            | 20.81                     |                        |
| 15              | 64QAM      | 1       | 37        | 20.72                    | 20.79                           | 20.80                            | 20.75                     | 21.2                   |
| 15              | 64QAM      | 1       | 74        | 20.78                    | 20.83                           | 20.78                            | 20.62                     |                        |
| 15              | 64QAM      | 36      | 0         | 19.82                    | 19.98                           | 19.79                            | 19.86                     |                        |
| 15              | 64QAM      | 36      | 20        | 19.86                    | 19.86                           | 19.76                            | 19.91                     | 19.2                   |
| 15              | 64QAM      | 36      | 39        | 19.85                    | 19.94                           | 19.81                            | 19.75                     |                        |
| 15              | 64QAM      | 75      | 0         | 19.90                    | 19.84                           | 19.69                            | 19.76                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.78                    | 17.94                           | 17.58                            | 17.88                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.61                    | 17.77                           | 17.54                            | 17.62                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.68                    | 17.94                           | 17.62                            | 17.77                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.81                    | 18.12                           | 17.64                            | 17.97                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.93                    | 17.85                           | 17.71                            | 17.89                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.89                    | 17.94                           | 17.59                            | 17.87                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.72  | 17.97  | 17.56  | 17.84  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.77  | 22.91  | 22.52  | 22.71  | 24.2                   |
| 10              | QPSK   | 1  | 25 | 22.71  | 22.74  | 22.56  | 22.73  |                        |
| 10              | QPSK   | 1  | 49 | 22.78  | 22.76  | 22.58  | 22.68  |                        |
| 10              | QPSK   | 25 | 0  | 21.80  | 21.85  | 21.64  | 21.78  | 23.2                   |
| 10              | QPSK   | 25 | 12 | 21.85  | 21.86  | 21.65  | 21.80  |                        |
| 10              | QPSK   | 25 | 25 | 21.91  | 21.77  | 21.68  | 21.78  |                        |
| 10              | QPSK   | 50 | 0  | 21.92  | 21.98  | 21.74  | 21.78  | 23.2                   |
| 10              | 16QAM  | 1  | 0  | 22.12  | 22.25  | 21.93  | 22.07  |                        |
| 10              | 16QAM  | 1  | 25 | 21.60  | 22.06  | 21.81  | 21.91  |                        |
| 10              | 16QAM  | 1  | 49 | 22.15  | 22.08  | 21.95  | 21.97  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 20.98  | 20.90  | 20.77  | 20.86  |                        |
| 10              | 16QAM  | 25 | 12 | 20.83  | 20.93  | 20.80  | 20.94  |                        |
| 10              | 16QAM  | 25 | 25 | 21.02  | 21.04  | 20.85  | 20.93  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 20.92  | 20.87  | 20.86  | 20.78  |                        |
| 10              | 64QAM  | 1  | 0  | 20.68  | 21.01  | 20.65  | 20.88  |                        |
| 10              | 64QAM  | 1  | 25 | 20.78  | 20.85  | 20.74  | 20.73  | 22.2                   |
| 10              | 64QAM  | 1  | 49 | 20.77  | 20.68  | 20.64  | 20.68  |                        |
| 10              | 64QAM  | 25 | 0  | 19.77  | 19.93  | 19.66  | 19.86  |                        |
| 10              | 64QAM  | 25 | 12 | 19.88  | 19.95  | 19.65  | 19.83  | 21.2                   |
| 10              | 64QAM  | 25 | 25 | 19.81  | 19.97  | 19.81  | 19.88  |                        |
| 10              | 64QAM  | 50 | 0  | 19.77  | 19.80  | 19.77  | 19.89  |                        |
| 10              | 256QAM | 1  | 0  | 17.76  | 17.96  | 17.75  | 17.78  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.70  | 17.75  | 17.61  | 17.81  |                        |
| 10              | 256QAM | 1  | 49 | 17.71  | 17.90  | 17.51  | 17.76  |                        |
| 10              | 256QAM | 25 | 0  | 17.87  | 18.11  | 17.82  | 17.94  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.83  | 17.96  | 17.60  | 17.86  |                        |
| 10              | 256QAM | 25 | 25 | 17.74  | 17.90  | 17.54  | 17.75  |                        |
| 10              | 256QAM | 50 | 0  | 17.81  | 17.85  | 17.70  | 17.88  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.72  | 22.81  | 22.47  | 22.78  | 24.2                   |
| 5               | QPSK   | 1  | 12 | 22.61  | 22.70  | 22.54  | 22.70  |                        |
| 5               | QPSK   | 1  | 24 | 22.93  | 22.75  | 22.59  | 22.67  |                        |
| 5               | QPSK   | 12 | 0  | 21.84  | 21.85  | 21.64  | 21.76  | 23.2                   |
| 5               | QPSK   | 12 | 7  | 21.90  | 21.79  | 21.81  | 21.81  |                        |
| 5               | QPSK   | 12 | 13 | 21.76  | 21.89  | 21.72  | 21.90  |                        |
| 5               | QPSK   | 25 | 0  | 21.79  | 21.83  | 21.68  | 21.94  | 23.2                   |
| 5               | 16QAM  | 1  | 0  | 22.07  | 22.26  | 21.81  | 21.92  |                        |
| 5               | 16QAM  | 1  | 12 | 21.52  | 21.96  | 21.87  | 21.92  |                        |
| 5               | 16QAM  | 1  | 24 | 22.19  | 22.13  | 21.91  | 21.95  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 20.85  | 20.99  | 20.81  | 20.80  |                        |
| 5               | 16QAM  | 12 | 7  | 20.84  | 20.97  | 20.76  | 20.94  |                        |
| 5               | 16QAM  | 12 | 13 | 20.94  | 21.02  | 20.84  | 20.77  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 20.85  | 20.93  | 20.70  | 20.80  |                        |
| 5               | 64QAM  | 1  | 0  | 20.80  | 21.05  | 20.53  | 20.76  |                        |
| 5               | 64QAM  | 1  | 12 | 20.69  | 20.76  | 20.62  | 20.81  | 21.2                   |
| 5               | 64QAM  | 1  | 24 | 20.91  | 20.87  | 20.77  | 20.82  |                        |
| 5               | 64QAM  | 12 | 0  | 19.83  | 20.02  | 19.68  | 19.96  |                        |
| 5               | 64QAM  | 12 | 7  | 19.91  | 19.92  | 19.83  | 19.86  | 19.2                   |
| 5               | 64QAM  | 12 | 13 | 19.93  | 19.78  | 19.66  | 19.89  |                        |
| 5               | 64QAM  | 25 | 0  | 19.79  | 19.86  | 19.79  | 19.94  |                        |
| 5               | 256QAM | 1  | 0  | 17.86  | 17.85  | 17.61  | 17.84  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.71  | 17.81  | 17.67  | 17.67  |                        |
| 5               | 256QAM | 1  | 24 | 17.65  | 17.92  | 17.53  | 17.86  |                        |
| 5               | 256QAM | 12 | 0  | 17.80  | 18.11  | 17.69  | 18.02  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.78  | 17.93  | 17.70  | 17.80  |                        |
| 5               | 256QAM | 12 | 13 | 17.76  | 17.94  | 17.52  | 17.91  |                        |
| 5               | 256QAM | 25 | 0  | 17.70  | 17.79  | 17.54  | 17.81  |                        |



&lt;LTE Band 48\_Ant 6\_Index 9&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.23                    | 22.28                           | 22.27                            | 22.35                     | 22.5                   |
| 20              | QPSK       | 1       | 49        | 22.20                    | 22.25                           | 22.22                            | 22.32                     |                        |
| 20              | QPSK       | 1       | 99        | 22.20                    | 22.27                           | 22.26                            | 22.31                     |                        |
| 20              | QPSK       | 50      | 0         | 22.22                    | 22.28                           | 22.34                            | 22.34                     | 22.5                   |
| 20              | QPSK       | 50      | 24        | 22.21                    | 22.26                           | 22.31                            | 22.32                     |                        |
| 20              | QPSK       | 50      | 50        | 22.08                    | 22.27                           | 22.24                            | 22.31                     |                        |
| 20              | QPSK       | 100     | 0         | 22.08                    | 22.24                           | 22.21                            | 22.29                     | 22.5                   |
| 20              | 16QAM      | 1       | 0         | 22.12                    | 22.32                           | 22.25                            | 22.33                     |                        |
| 20              | 16QAM      | 1       | 49        | 22.13                    | 22.26                           | 22.20                            | 22.25                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.17                    | 22.26                           | 22.26                            | 22.28                     | 22.5                   |
| 20              | 16QAM      | 50      | 0         | 21.67                    | 21.75                           | 21.73                            | 21.84                     |                        |
| 20              | 16QAM      | 50      | 24        | 21.62                    | 21.76                           | 21.73                            | 21.84                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.63                    | 21.75                           | 21.72                            | 21.85                     | 22.5                   |
| 20              | 16QAM      | 100     | 0         | 21.61                    | 21.74                           | 21.72                            | 21.84                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.38                    | 21.48                           | 21.43                            | 21.55                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.41                    | 21.53                           | 21.52                            | 21.62                     | 22.5                   |
| 20              | 64QAM      | 1       | 99        | 21.36                    | 21.47                           | 21.43                            | 21.58                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.60                    | 20.73                           | 20.67                            | 20.78                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.71                    | 20.81                           | 20.80                            | 20.89                     | 21.5                   |
| 20              | 64QAM      | 50      | 50        | 20.70                    | 20.79                           | 20.78                            | 20.92                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.72                    | 20.82                           | 20.77                            | 20.90                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.30                    | 18.36                           | 18.26                            | 18.38                     | 19.5                   |
| 20              | 256QAM     | 1       | 49        | 18.10                    | 18.26                           | 17.98                            | 18.11                     |                        |
| 20              | 256QAM     | 1       | 99        | 18.06                    | 18.34                           | 18.16                            | 18.20                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.43                    | 18.59                           | 18.44                            | 18.58                     | 19.5                   |
| 20              | 256QAM     | 50      | 24        | 18.29                    | 18.55                           | 18.36                            | 18.45                     |                        |
| 20              | 256QAM     | 50      | 50        | 18.32                    | 18.64                           | 18.37                            | 18.48                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.29                    | 18.51                           | 18.30                            | 18.49                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.08                    | 22.12                           | 22.26                            | 22.33                     | 22.5                   |
| 15              | QPSK       | 1       | 37        | 22.01                    | 22.14                           | 22.22                            | 22.31                     |                        |
| 15              | QPSK       | 1       | 74        | 22.13                    | 22.18                           | 22.20                            | 22.15                     |                        |
| 15              | QPSK       | 36      | 0         | 22.21                    | 22.15                           | 22.27                            | 22.15                     | 22.5                   |
| 15              | QPSK       | 36      | 20        | 22.13                    | 22.26                           | 22.14                            | 22.13                     |                        |
| 15              | QPSK       | 36      | 39        | 21.95                    | 22.07                           | 22.06                            | 22.28                     |                        |
| 15              | QPSK       | 75      | 0         | 22.07                    | 22.18                           | 22.10                            | 22.16                     | 22.5                   |
| 15              | 16QAM      | 1       | 0         | 22.00                    | 22.30                           | 22.18                            | 22.19                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.05                    | 22.16                           | 22.16                            | 22.06                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.11                    | 22.14                           | 22.08                            | 22.28                     | 22.5                   |
| 15              | 16QAM      | 36      | 0         | 21.56                    | 21.56                           | 21.63                            | 21.83                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.60                    | 21.59                           | 21.56                            | 21.78                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.57                    | 21.62                           | 21.60                            | 21.68                     | 22.5                   |
| 15              | 16QAM      | 75      | 0         | 21.50                    | 21.59                           | 21.66                            | 21.70                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.35                    | 21.45                           | 21.37                            | 21.45                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.36                    | 21.33                           | 21.38                            | 21.61                     | 22.5                   |
| 15              | 64QAM      | 1       | 74        | 21.27                    | 21.42                           | 21.24                            | 21.44                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.54                    | 20.60                           | 20.49                            | 20.61                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.66                    | 20.71                           | 20.60                            | 20.88                     | 21.5                   |
| 15              | 64QAM      | 36      | 39        | 20.70                    | 20.70                           | 20.60                            | 20.79                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.60                    | 20.63                           | 20.72                            | 20.77                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.30                    | 18.16                           | 18.12                            | 18.38                     | 19.5                   |
| 15              | 256QAM     | 1       | 37        | 18.02                    | 18.24                           | 17.96                            | 17.99                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.94                    | 18.17                           | 17.97                            | 18.09                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.24                    | 18.51                           | 18.44                            | 18.57                     | 19.5                   |
| 15              | 256QAM     | 36      | 20        | 18.19                    | 18.53                           | 18.22                            | 18.44                     |                        |
| 15              | 256QAM     | 36      | 39        | 18.14                    | 18.54                           | 18.37                            | 18.31                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.13  | 18.45  | 18.21  | 18.47  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.22  | 22.23  | 22.17  | 22.15  | 22.5                   |
| 10              | QPSK   | 1  | 25 | 22.11  | 22.07  | 22.11  | 22.26  |                        |
| 10              | QPSK   | 1  | 49 | 22.15  | 22.12  | 22.22  | 22.17  |                        |
| 10              | QPSK   | 25 | 0  | 22.20  | 22.28  | 22.28  | 22.32  | 22.5                   |
| 10              | QPSK   | 25 | 12 | 22.10  | 22.17  | 22.24  | 22.12  |                        |
| 10              | QPSK   | 25 | 25 | 22.07  | 22.07  | 22.16  | 22.31  |                        |
| 10              | QPSK   | 50 | 0  | 22.07  | 22.18  | 22.09  | 22.14  | 22.5                   |
| 10              | 16QAM  | 1  | 0  | 21.99  | 22.21  | 22.18  | 22.27  |                        |
| 10              | 16QAM  | 1  | 25 | 21.97  | 22.09  | 22.01  | 22.16  |                        |
| 10              | 16QAM  | 1  | 49 | 22.06  | 22.09  | 22.24  | 22.20  | 22.5                   |
| 10              | 16QAM  | 25 | 0  | 21.56  | 21.61  | 21.69  | 21.67  |                        |
| 10              | 16QAM  | 25 | 12 | 21.58  | 21.64  | 21.65  | 21.77  |                        |
| 10              | 16QAM  | 25 | 25 | 21.55  | 21.55  | 21.56  | 21.77  | 22.5                   |
| 10              | 16QAM  | 50 | 0  | 21.52  | 21.64  | 21.70  | 21.79  |                        |
| 10              | 64QAM  | 1  | 0  | 21.34  | 21.45  | 21.41  | 21.47  |                        |
| 10              | 64QAM  | 1  | 25 | 21.40  | 21.43  | 21.35  | 21.46  | 22.5                   |
| 10              | 64QAM  | 1  | 49 | 21.36  | 21.35  | 21.30  | 21.38  |                        |
| 10              | 64QAM  | 25 | 0  | 20.52  | 20.55  | 20.58  | 20.69  |                        |
| 10              | 64QAM  | 25 | 12 | 20.59  | 20.77  | 20.65  | 20.80  | 21.5                   |
| 10              | 64QAM  | 25 | 25 | 20.57  | 20.74  | 20.77  | 20.89  |                        |
| 10              | 64QAM  | 50 | 0  | 20.64  | 20.67  | 20.76  | 20.87  |                        |
| 10              | 256QAM | 1  | 0  | 18.12  | 18.31  | 18.24  | 18.36  | 19.5                   |
| 10              | 256QAM | 1  | 25 | 17.96  | 18.20  | 17.83  | 18.02  |                        |
| 10              | 256QAM | 1  | 49 | 17.88  | 18.22  | 17.99  | 18.12  |                        |
| 10              | 256QAM | 25 | 0  | 18.33  | 18.43  | 18.42  | 18.38  | 19.5                   |
| 10              | 256QAM | 25 | 12 | 18.19  | 18.46  | 18.19  | 18.31  |                        |
| 10              | 256QAM | 25 | 25 | 18.30  | 18.60  | 18.21  | 18.47  |                        |
| 10              | 256QAM | 50 | 0  | 18.09  | 18.45  | 18.18  | 18.31  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.16  | 22.18  | 22.27  | 22.16  | 22.5                   |
| 5               | QPSK   | 1  | 12 | 22.13  | 22.08  | 22.05  | 22.17  |                        |
| 5               | QPSK   | 1  | 24 | 22.06  | 22.18  | 22.07  | 22.31  |                        |
| 5               | QPSK   | 12 | 0  | 22.02  | 22.21  | 22.21  | 22.30  | 22.5                   |
| 5               | QPSK   | 12 | 7  | 22.17  | 22.07  | 22.25  | 22.31  |                        |
| 5               | QPSK   | 12 | 13 | 21.93  | 22.14  | 22.11  | 22.29  |                        |
| 5               | QPSK   | 25 | 0  | 21.90  | 22.13  | 22.17  | 22.25  | 22.5                   |
| 5               | 16QAM  | 1  | 0  | 22.05  | 22.28  | 22.22  | 22.14  |                        |
| 5               | 16QAM  | 1  | 12 | 22.06  | 22.20  | 22.03  | 22.08  |                        |
| 5               | 16QAM  | 1  | 24 | 22.17  | 22.15  | 22.22  | 22.15  | 22.5                   |
| 5               | 16QAM  | 12 | 0  | 21.63  | 21.59  | 21.65  | 21.73  |                        |
| 5               | 16QAM  | 12 | 7  | 21.62  | 21.58  | 21.63  | 21.77  |                        |
| 5               | 16QAM  | 12 | 13 | 21.59  | 21.62  | 21.65  | 21.75  | 22.5                   |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.57  | 21.57  | 21.77  |                        |
| 5               | 64QAM  | 1  | 0  | 21.23  | 21.47  | 21.43  | 21.40  |                        |
| 5               | 64QAM  | 1  | 12 | 21.26  | 21.53  | 21.48  | 21.57  | 22.5                   |
| 5               | 64QAM  | 1  | 24 | 21.27  | 21.28  | 21.39  | 21.44  |                        |
| 5               | 64QAM  | 12 | 0  | 20.42  | 20.65  | 20.47  | 20.77  |                        |
| 5               | 64QAM  | 12 | 7  | 20.59  | 20.81  | 20.69  | 20.81  | 21.5                   |
| 5               | 64QAM  | 12 | 13 | 20.62  | 20.68  | 20.74  | 20.75  |                        |
| 5               | 64QAM  | 25 | 0  | 20.71  | 20.72  | 20.71  | 20.85  |                        |
| 5               | 256QAM | 1  | 0  | 18.24  | 18.22  | 18.20  | 18.38  | 19.5                   |
| 5               | 256QAM | 1  | 12 | 18.05  | 18.19  | 17.79  | 17.93  |                        |
| 5               | 256QAM | 1  | 24 | 17.91  | 18.33  | 18.16  | 18.18  |                        |
| 5               | 256QAM | 12 | 0  | 18.27  | 18.48  | 18.43  | 18.38  | 19.5                   |
| 5               | 256QAM | 12 | 7  | 18.25  | 18.39  | 18.36  | 18.38  |                        |
| 5               | 256QAM | 12 | 13 | 18.32  | 18.46  | 18.18  | 18.41  |                        |
| 5               | 256QAM | 25 | 0  | 18.23  | 18.44  | 18.20  | 18.37  |                        |



&lt;LTE Band 48\_Ant 1\_Index 9&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 22.86                 | 22.76                        | 22.74                         | 22.74                  | 23.5                |
| 20              | QPSK       | 1       | 49        | 22.85                 | 22.70                        | 22.72                         | 22.73                  |                     |
| 20              | QPSK       | 1       | 99        | 22.83                 | 22.78                        | 22.72                         | 22.66                  |                     |
| 20              | QPSK       | 50      | 0         | 21.93                 | 21.84                        | 21.77                         | 21.71                  | 22.7                |
| 20              | QPSK       | 50      | 24        | 21.92                 | 21.82                        | 21.75                         | 21.70                  |                     |
| 20              | QPSK       | 50      | 50        | 21.78                 | 21.83                        | 21.76                         | 21.70                  |                     |
| 20              | QPSK       | 100     | 0         | 21.78                 | 21.77                        | 21.74                         | 21.71                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.84                 | 21.89                        | 21.77                         | 21.80                  | 22.7                |
| 20              | 16QAM      | 1       | 49        | 21.80                 | 21.81                        | 21.75                         | 21.71                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.85                 | 21.89                        | 21.84                         | 21.76                  |                     |
| 20              | 16QAM      | 50      | 0         | 20.82                 | 20.86                        | 20.78                         | 20.76                  | 21.7                |
| 20              | 16QAM      | 50      | 24        | 20.82                 | 20.86                        | 20.78                         | 20.75                  |                     |
| 20              | 16QAM      | 50      | 50        | 20.84                 | 20.87                        | 20.81                         | 20.74                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.81                 | 20.86                        | 20.78                         | 20.74                  |                     |
| 20              | 64QAM      | 1       | 0         | 20.53                 | 20.58                        | 20.46                         | 20.47                  | 21.7                |
| 20              | 64QAM      | 1       | 49        | 20.49                 | 20.51                        | 20.44                         | 20.39                  |                     |
| 20              | 64QAM      | 1       | 99        | 20.51                 | 20.55                        | 20.49                         | 20.43                  |                     |
| 20              | 64QAM      | 50      | 0         | 19.86                 | 19.89                        | 19.80                         | 19.79                  | 20.7                |
| 20              | 64QAM      | 50      | 24        | 19.84                 | 19.88                        | 19.80                         | 19.75                  |                     |
| 20              | 64QAM      | 50      | 50        | 19.84                 | 19.86                        | 19.82                         | 19.77                  |                     |
| 20              | 64QAM      | 100     | 0         | 19.85                 | 19.87                        | 19.80                         | 19.75                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.70                 | 17.74                        | 17.72                         | 17.62                  | 18.7                |
| 20              | 256QAM     | 1       | 49        | 17.63                 | 17.64                        | 17.63                         | 17.51                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.74                 | 17.72                        | 17.69                         | 17.63                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.90                 | 17.96                        | 17.90                         | 17.84                  | 18.7                |
| 20              | 256QAM     | 50      | 24        | 17.88                 | 17.85                        | 17.90                         | 17.80                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.94                 | 18.01                        | 18.03                         | 17.93                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.90                 | 17.88                        | 17.91                         | 17.80                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 22.72                 | 22.56                        | 22.74                         | 22.72                  | 23.5                |
| 15              | QPSK       | 1       | 37        | 22.70                 | 22.52                        | 22.65                         | 22.71                  |                     |
| 15              | QPSK       | 1       | 74        | 22.68                 | 22.76                        | 22.58                         | 22.55                  |                     |
| 15              | QPSK       | 36      | 0         | 21.80                 | 21.73                        | 21.65                         | 21.58                  | 22.7                |
| 15              | QPSK       | 36      | 20        | 21.92                 | 21.74                        | 21.66                         | 21.55                  |                     |
| 15              | QPSK       | 36      | 39        | 21.72                 | 21.74                        | 21.58                         | 21.66                  |                     |
| 15              | QPSK       | 75      | 0         | 21.61                 | 21.67                        | 21.60                         | 21.54                  |                     |
| 15              | 16QAM      | 1       | 0         | 21.69                 | 21.85                        | 21.65                         | 21.70                  | 22.7                |
| 15              | 16QAM      | 1       | 37        | 21.77                 | 21.80                        | 21.71                         | 21.58                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.69                 | 21.82                        | 21.76                         | 21.60                  |                     |
| 15              | 16QAM      | 36      | 0         | 20.72                 | 20.81                        | 20.58                         | 20.64                  | 21.7                |
| 15              | 16QAM      | 36      | 20        | 20.77                 | 20.75                        | 20.75                         | 20.57                  |                     |
| 15              | 16QAM      | 36      | 39        | 20.76                 | 20.73                        | 20.73                         | 20.59                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.63                 | 20.79                        | 20.74                         | 20.62                  |                     |
| 15              | 64QAM      | 1       | 0         | 20.43                 | 20.41                        | 20.43                         | 20.45                  | 21.7                |
| 15              | 64QAM      | 1       | 37        | 20.42                 | 20.35                        | 20.38                         | 20.28                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.31                 | 20.38                        | 20.35                         | 20.43                  |                     |
| 15              | 64QAM      | 36      | 0         | 19.66                 | 19.81                        | 19.77                         | 19.70                  | 20.7                |
| 15              | 64QAM      | 36      | 20        | 19.80                 | 19.77                        | 19.76                         | 19.61                  |                     |
| 15              | 64QAM      | 36      | 39        | 19.80                 | 19.83                        | 19.67                         | 19.66                  |                     |
| 15              | 64QAM      | 75      | 0         | 19.81                 | 19.67                        | 19.80                         | 19.67                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.60                 | 17.61                        | 17.69                         | 17.44                  | 18.7                |
| 15              | 256QAM     | 1       | 37        | 17.57                 | 17.46                        | 17.61                         | 17.38                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.62                 | 17.65                        | 17.50                         | 17.49                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.79                 | 17.90                        | 17.74                         | 17.71                  | 18.7                |
| 15              | 256QAM     | 36      | 20        | 17.79                 | 17.71                        | 17.76                         | 17.66                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.81                 | 17.83                        | 17.88                         | 17.86                  |                     |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.76  | 17.76  | 17.73  | 17.80  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.84  | 22.62  | 22.54  | 22.67  | 23.5                   |
| 10              | QPSK   | 1  | 25 | 22.85  | 22.62  | 22.72  | 22.69  |                        |
| 10              | QPSK   | 1  | 49 | 22.80  | 22.67  | 22.65  | 22.46  |                        |
| 10              | QPSK   | 25 | 0  | 21.93  | 21.78  | 21.66  | 21.59  | 22.7                   |
| 10              | QPSK   | 25 | 12 | 21.81  | 21.69  | 21.62  | 21.56  |                        |
| 10              | QPSK   | 25 | 25 | 21.77  | 21.75  | 21.63  | 21.53  |                        |
| 10              | QPSK   | 50 | 0  | 21.69  | 21.76  | 21.63  | 21.53  |                        |
| 10              | 16QAM  | 1  | 0  | 21.78  | 21.78  | 21.72  | 21.79  | 22.7                   |
| 10              | 16QAM  | 1  | 25 | 21.71  | 21.66  | 21.75  | 21.62  |                        |
| 10              | 16QAM  | 1  | 49 | 21.72  | 21.81  | 21.66  | 21.56  |                        |
| 10              | 16QAM  | 25 | 0  | 20.74  | 20.69  | 20.72  | 20.56  | 21.7                   |
| 10              | 16QAM  | 25 | 12 | 20.82  | 20.66  | 20.73  | 20.58  |                        |
| 10              | 16QAM  | 25 | 25 | 20.67  | 20.71  | 20.74  | 20.54  |                        |
| 10              | 16QAM  | 50 | 0  | 20.77  | 20.75  | 20.72  | 20.64  |                        |
| 10              | 64QAM  | 1  | 0  | 20.35  | 20.48  | 20.35  | 20.42  | 21.7                   |
| 10              | 64QAM  | 1  | 25 | 20.32  | 20.35  | 20.34  | 20.19  |                        |
| 10              | 64QAM  | 1  | 49 | 20.41  | 20.54  | 20.37  | 20.29  |                        |
| 10              | 64QAM  | 25 | 0  | 19.84  | 19.82  | 19.61  | 19.70  | 20.7                   |
| 10              | 64QAM  | 25 | 12 | 19.70  | 19.81  | 19.75  | 19.56  |                        |
| 10              | 64QAM  | 25 | 25 | 19.67  | 19.76  | 19.81  | 19.60  |                        |
| 10              | 64QAM  | 50 | 0  | 19.82  | 19.72  | 19.64  | 19.75  |                        |
| 10              | 256QAM | 1  | 0  | 17.53  | 17.73  | 17.54  | 17.51  | 18.7                   |
| 10              | 256QAM | 1  | 25 | 17.48  | 17.49  | 17.62  | 17.34  |                        |
| 10              | 256QAM | 1  | 49 | 17.54  | 17.59  | 17.69  | 17.62  |                        |
| 10              | 256QAM | 25 | 0  | 17.71  | 17.77  | 17.75  | 17.69  | 18.7                   |
| 10              | 256QAM | 25 | 12 | 17.69  | 17.70  | 17.89  | 17.78  |                        |
| 10              | 256QAM | 25 | 25 | 17.94  | 17.82  | 17.93  | 17.74  |                        |
| 10              | 256QAM | 50 | 0  | 17.78  | 17.86  | 17.73  | 17.70  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.85  | 22.56  | 22.72  | 22.69  | 23.5                   |
| 5               | QPSK   | 1  | 12 | 22.74  | 22.52  | 22.58  | 22.71  |                        |
| 5               | QPSK   | 1  | 24 | 22.72  | 22.67  | 22.70  | 22.46  |                        |
| 5               | QPSK   | 12 | 0  | 21.80  | 21.68  | 21.73  | 21.56  | 22.7                   |
| 5               | QPSK   | 12 | 7  | 21.86  | 21.63  | 21.69  | 21.52  |                        |
| 5               | QPSK   | 12 | 13 | 21.64  | 21.76  | 21.64  | 21.51  |                        |
| 5               | QPSK   | 25 | 0  | 21.58  | 21.72  | 21.69  | 21.56  |                        |
| 5               | 16QAM  | 1  | 0  | 21.79  | 21.83  | 21.65  | 21.78  | 22.7                   |
| 5               | 16QAM  | 1  | 12 | 21.70  | 21.72  | 21.55  | 21.65  |                        |
| 5               | 16QAM  | 1  | 24 | 21.82  | 21.75  | 21.79  | 21.60  |                        |
| 5               | 16QAM  | 12 | 0  | 20.65  | 20.71  | 20.58  | 20.73  | 21.7                   |
| 5               | 16QAM  | 12 | 7  | 20.72  | 20.78  | 20.65  | 20.67  |                        |
| 5               | 16QAM  | 12 | 13 | 20.72  | 20.67  | 20.68  | 20.72  |                        |
| 5               | 16QAM  | 25 | 0  | 20.62  | 20.76  | 20.78  | 20.54  |                        |
| 5               | 64QAM  | 1  | 0  | 20.50  | 20.57  | 20.43  | 20.43  | 21.7                   |
| 5               | 64QAM  | 1  | 12 | 20.30  | 20.33  | 20.37  | 20.21  |                        |
| 5               | 64QAM  | 1  | 24 | 20.48  | 20.35  | 20.41  | 20.30  |                        |
| 5               | 64QAM  | 12 | 0  | 19.73  | 19.72  | 19.78  | 19.66  | 20.7                   |
| 5               | 64QAM  | 12 | 7  | 19.72  | 19.78  | 19.65  | 19.71  |                        |
| 5               | 64QAM  | 12 | 13 | 19.74  | 19.84  | 19.74  | 19.76  |                        |
| 5               | 64QAM  | 25 | 0  | 19.68  | 19.83  | 19.79  | 19.58  |                        |
| 5               | 256QAM | 1  | 0  | 17.61  | 17.54  | 17.69  | 17.53  | 18.7                   |
| 5               | 256QAM | 1  | 12 | 17.44  | 17.54  | 17.58  | 17.41  |                        |
| 5               | 256QAM | 1  | 24 | 17.67  | 17.67  | 17.63  | 17.59  |                        |
| 5               | 256QAM | 12 | 0  | 17.74  | 17.92  | 17.81  | 17.77  | 18.7                   |
| 5               | 256QAM | 12 | 7  | 17.68  | 17.84  | 17.70  | 17.61  |                        |
| 5               | 256QAM | 12 | 13 | 17.82  | 17.94  | 17.95  | 17.80  |                        |
| 5               | 256QAM | 25 | 0  | 17.80  | 17.71  | 17.71  | 17.69  |                        |



&lt;LTE Band 48\_Ant 2\_Index 9&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 20.58                    | 20.59                           | 20.36                            | 20.50                     | 20.9                   |
| 20              | QPSK       | 1       | 49        | 20.52                    | 20.53                           | 20.34                            | 20.41                     |                        |
| 20              | QPSK       | 1       | 99        | 20.50                    | 20.51                           | 20.29                            | 20.48                     |                        |
| 20              | QPSK       | 50      | 0         | 20.46                    | 20.47                           | 20.25                            | 20.42                     | 20.9                   |
| 20              | QPSK       | 50      | 24        | 20.40                    | 20.44                           | 20.24                            | 20.37                     |                        |
| 20              | QPSK       | 50      | 50        | 20.41                    | 20.40                           | 20.22                            | 20.41                     |                        |
| 20              | QPSK       | 100     | 0         | 20.40                    | 20.52                           | 20.23                            | 20.37                     |                        |
| 20              | 16QAM      | 1       | 0         | 20.43                    | 20.50                           | 20.23                            | 20.35                     | 20.9                   |
| 20              | 16QAM      | 1       | 49        | 20.46                    | 20.50                           | 20.17                            | 20.39                     |                        |
| 20              | 16QAM      | 1       | 99        | 20.51                    | 20.46                           | 20.22                            | 20.43                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.40                    | 20.50                           | 20.25                            | 20.37                     | 20.9                   |
| 20              | 16QAM      | 50      | 24        | 20.44                    | 20.54                           | 20.26                            | 20.40                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.47                    | 20.50                           | 20.21                            | 20.40                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.43                    | 20.52                           | 20.22                            | 20.38                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.12                    | 20.32                           | 19.99                            | 20.09                     | 20.9                   |
| 20              | 64QAM      | 1       | 49        | 20.25                    | 20.26                           | 20.02                            | 20.17                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.21                    | 20.15                           | 19.96                            | 19.98                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.17                    | 20.33                           | 20.02                            | 20.17                     | 20.9                   |
| 20              | 64QAM      | 50      | 24        | 20.20                    | 20.29                           | 20.00                            | 20.15                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.22                    | 20.28                           | 20.02                            | 20.16                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.18                    | 20.31                           | 20.00                            | 20.14                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.74                    | 17.77                           | 17.49                            | 17.72                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.56                    | 17.65                           | 17.27                            | 17.51                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.54                    | 17.59                           | 17.33                            | 17.46                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.68                    | 17.93                           | 17.71                            | 17.69                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.81                    | 17.89                           | 17.68                            | 17.77                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.74                    | 17.90                           | 17.53                            | 17.76                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.78                    | 17.88                           | 17.65                            | 17.72                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 20.53                    | 20.52                           | 20.18                            | 20.35                     | 20.9                   |
| 15              | QPSK       | 1       | 37        | 20.44                    | 20.40                           | 20.28                            | 20.34                     |                        |
| 15              | QPSK       | 1       | 74        | 20.31                    | 20.45                           | 20.12                            | 20.32                     |                        |
| 15              | QPSK       | 36      | 0         | 20.29                    | 20.34                           | 20.13                            | 20.31                     | 20.9                   |
| 15              | QPSK       | 36      | 20        | 20.22                    | 20.40                           | 20.12                            | 20.28                     |                        |
| 15              | QPSK       | 36      | 39        | 20.40                    | 20.30                           | 20.03                            | 20.22                     |                        |
| 15              | QPSK       | 75      | 0         | 20.28                    | 20.44                           | 20.10                            | 20.28                     |                        |
| 15              | 16QAM      | 1       | 0         | 20.33                    | 20.50                           | 20.14                            | 20.33                     | 20.9                   |
| 15              | 16QAM      | 1       | 37        | 20.40                    | 20.48                           | 20.08                            | 20.27                     |                        |
| 15              | 16QAM      | 1       | 74        | 20.50                    | 20.43                           | 20.07                            | 20.36                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.27                    | 20.36                           | 20.21                            | 20.19                     | 20.9                   |
| 15              | 16QAM      | 36      | 20        | 20.25                    | 20.34                           | 20.09                            | 20.30                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.40                    | 20.43                           | 20.01                            | 20.37                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.42                    | 20.32                           | 20.09                            | 20.31                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.01                    | 20.17                           | 19.95                            | 20.00                     | 20.9                   |
| 15              | 64QAM      | 1       | 37        | 20.25                    | 20.14                           | 19.88                            | 20.16                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.13                    | 20.03                           | 19.90                            | 19.89                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.03                    | 20.31                           | 19.94                            | 19.97                     | 20.9                   |
| 15              | 64QAM      | 36      | 20        | 20.15                    | 20.26                           | 19.82                            | 20.02                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.09                    | 20.26                           | 19.96                            | 20.00                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.17                    | 20.24                           | 19.90                            | 20.03                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.62                    | 17.77                           | 17.46                            | 17.62                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.46                    | 17.60                           | 17.38                            | 17.41                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.49                    | 17.47                           | 17.33                            | 17.42                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.68                    | 17.89                           | 17.63                            | 17.68                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.74                    | 17.81                           | 17.68                            | 17.57                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.57                    | 17.88                           | 17.36                            | 17.74                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.73  | 17.81  | 17.58  | 17.61  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 20.58  | 20.44  | 20.19  | 20.37  | 20.9                   |
| 10              | QPSK   | 1  | 25 | 20.38  | 20.35  | 20.29  | 20.22  |                        |
| 10              | QPSK   | 1  | 49 | 20.35  | 20.35  | 20.15  | 20.33  |                        |
| 10              | QPSK   | 25 | 0  | 20.32  | 20.37  | 20.10  | 20.29  | 20.9                   |
| 10              | QPSK   | 25 | 12 | 20.27  | 20.37  | 20.22  | 20.17  |                        |
| 10              | QPSK   | 25 | 25 | 20.24  | 20.25  | 20.10  | 20.39  |                        |
| 10              | QPSK   | 50 | 0  | 20.39  | 20.39  | 20.17  | 20.31  |                        |
| 10              | 16QAM  | 1  | 0  | 20.35  | 20.41  | 20.10  | 20.18  | 20.9                   |
| 10              | 16QAM  | 1  | 25 | 20.42  | 20.39  | 20.08  | 20.25  |                        |
| 10              | 16QAM  | 1  | 49 | 20.42  | 20.33  | 20.20  | 20.37  |                        |
| 10              | 16QAM  | 25 | 0  | 20.32  | 20.36  | 20.06  | 20.23  | 20.9                   |
| 10              | 16QAM  | 25 | 12 | 20.34  | 20.44  | 20.16  | 20.26  |                        |
| 10              | 16QAM  | 25 | 25 | 20.39  | 20.30  | 20.18  | 20.33  |                        |
| 10              | 16QAM  | 50 | 0  | 20.39  | 20.48  | 20.15  | 20.35  |                        |
| 10              | 64QAM  | 1  | 0  | 20.06  | 20.25  | 19.94  | 19.92  | 20.9                   |
| 10              | 64QAM  | 1  | 25 | 20.17  | 20.10  | 19.93  | 20.11  |                        |
| 10              | 64QAM  | 1  | 49 | 20.04  | 20.04  | 19.92  | 19.96  |                        |
| 10              | 64QAM  | 25 | 0  | 20.12  | 20.30  | 20.01  | 20.00  | 20.9                   |
| 10              | 64QAM  | 25 | 12 | 20.02  | 20.22  | 19.96  | 20.06  |                        |
| 10              | 64QAM  | 25 | 25 | 20.12  | 20.21  | 19.88  | 20.07  |                        |
| 10              | 64QAM  | 50 | 0  | 20.09  | 20.25  | 19.90  | 20.12  |                        |
| 10              | 256QAM | 1  | 0  | 17.63  | 17.71  | 17.43  | 17.62  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.48  | 17.52  | 17.21  | 17.34  |                        |
| 10              | 256QAM | 1  | 49 | 17.47  | 17.39  | 17.22  | 17.28  |                        |
| 10              | 256QAM | 25 | 0  | 17.56  | 17.81  | 17.58  | 17.69  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.66  | 17.88  | 17.58  | 17.62  |                        |
| 10              | 256QAM | 25 | 25 | 17.72  | 17.80  | 17.42  | 17.60  |                        |
| 10              | 256QAM | 50 | 0  | 17.77  | 17.86  | 17.47  | 17.63  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 20.47  | 20.41  | 20.28  | 20.49  | 20.9                   |
| 5               | QPSK   | 1  | 12 | 20.39  | 20.35  | 20.16  | 20.23  |                        |
| 5               | QPSK   | 1  | 24 | 20.44  | 20.49  | 20.14  | 20.29  |                        |
| 5               | QPSK   | 12 | 0  | 20.36  | 20.42  | 20.13  | 20.25  | 20.9                   |
| 5               | QPSK   | 12 | 7  | 20.23  | 20.25  | 20.07  | 20.24  |                        |
| 5               | QPSK   | 12 | 13 | 20.38  | 20.34  | 20.06  | 20.34  |                        |
| 5               | QPSK   | 25 | 0  | 20.39  | 20.49  | 20.12  | 20.28  |                        |
| 5               | 16QAM  | 1  | 0  | 20.31  | 20.44  | 20.13  | 20.28  | 20.9                   |
| 5               | 16QAM  | 1  | 12 | 20.29  | 20.35  | 20.16  | 20.20  |                        |
| 5               | 16QAM  | 1  | 24 | 20.51  | 20.26  | 20.13  | 20.25  |                        |
| 5               | 16QAM  | 12 | 0  | 20.39  | 20.32  | 20.23  | 20.35  | 20.9                   |
| 5               | 16QAM  | 12 | 7  | 20.32  | 20.35  | 20.15  | 20.37  |                        |
| 5               | 16QAM  | 12 | 13 | 20.28  | 20.40  | 20.13  | 20.29  |                        |
| 5               | 16QAM  | 25 | 0  | 20.37  | 20.44  | 20.02  | 20.36  |                        |
| 5               | 64QAM  | 1  | 0  | 19.92  | 20.22  | 19.98  | 19.97  | 20.9                   |
| 5               | 64QAM  | 1  | 12 | 20.16  | 20.08  | 20.02  | 20.10  |                        |
| 5               | 64QAM  | 1  | 24 | 20.13  | 20.12  | 19.90  | 19.98  |                        |
| 5               | 64QAM  | 12 | 0  | 19.97  | 20.33  | 19.93  | 19.99  | 20.9                   |
| 5               | 64QAM  | 12 | 7  | 20.17  | 20.18  | 19.90  | 20.13  |                        |
| 5               | 64QAM  | 12 | 13 | 20.03  | 20.11  | 19.91  | 20.11  |                        |
| 5               | 64QAM  | 25 | 0  | 20.07  | 20.18  | 19.93  | 20.04  |                        |
| 5               | 256QAM | 1  | 0  | 17.62  | 17.63  | 17.35  | 17.65  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.52  | 17.56  | 17.30  | 17.42  |                        |
| 5               | 256QAM | 1  | 24 | 17.46  | 17.45  | 17.20  | 17.28  |                        |
| 5               | 256QAM | 12 | 0  | 17.56  | 17.85  | 17.58  | 17.65  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.66  | 17.85  | 17.63  | 17.77  |                        |
| 5               | 256QAM | 12 | 13 | 17.68  | 17.78  | 17.49  | 17.75  |                        |
| 5               | 256QAM | 25 | 0  | 17.72  | 17.78  | 17.48  | 17.55  |                        |



&lt;LTE Band 48\_Ant 5\_Index 9&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.39                    | 22.42                           | 22.28                            | 22.41                     | 22.7                   |
| 20              | QPSK       | 1       | 49        | 22.36                    | 22.36                           | 22.22                            | 22.38                     |                        |
| 20              | QPSK       | 1       | 99        | 22.34                    | 22.33                           | 22.22                            | 22.28                     |                        |
| 20              | QPSK       | 50      | 0         | 22.38                    | 22.37                           | 22.31                            | 22.36                     | 22.7                   |
| 20              | QPSK       | 50      | 24        | 22.30                    | 22.34                           | 22.23                            | 22.35                     |                        |
| 20              | QPSK       | 50      | 50        | 22.23                    | 22.29                           | 22.27                            | 22.36                     |                        |
| 20              | QPSK       | 100     | 0         | 22.21                    | 22.32                           | 22.24                            | 22.29                     | 22.7                   |
| 20              | 16QAM      | 1       | 0         | 22.22                    | 22.33                           | 22.24                            | 22.41                     |                        |
| 20              | 16QAM      | 1       | 49        | 22.30                    | 22.39                           | 22.29                            | 22.26                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.33                    | 22.30                           | 22.21                            | 22.27                     | 22.2                   |
| 20              | 16QAM      | 50      | 0         | 21.45                    | 21.58                           | 21.32                            | 21.51                     |                        |
| 20              | 16QAM      | 50      | 24        | 21.48                    | 21.56                           | 21.37                            | 21.50                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.52                    | 21.53                           | 21.39                            | 21.48                     | 22.2                   |
| 20              | 16QAM      | 100     | 0         | 21.45                    | 21.52                           | 21.38                            | 21.49                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.16                    | 21.35                           | 21.05                            | 21.22                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.27                    | 21.34                           | 21.10                            | 21.22                     | 21.2                   |
| 20              | 64QAM      | 1       | 99        | 21.21                    | 21.19                           | 21.10                            | 21.15                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.35                    | 20.63                           | 20.38                            | 20.55                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.49                    | 20.59                           | 20.29                            | 20.44                     | 19.2                   |
| 20              | 64QAM      | 50      | 50        | 20.51                    | 20.58                           | 20.45                            | 20.50                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.51                    | 20.50                           | 20.37                            | 20.51                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.90                    | 17.90                           | 17.67                            | 17.95                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.73                    | 17.81                           | 17.60                            | 17.69                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.63                    | 17.82                           | 17.54                            | 17.73                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.76                    | 18.06                           | 17.67                            | 17.94                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.81                    | 17.89                           | 17.64                            | 17.75                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.89                    | 17.96                           | 17.68                            | 17.88                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.72                    | 17.86                           | 17.52                            | 17.82                     | Tune-up limit<br>(dBm) |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     |                        |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.39                    | 22.37                           | 22.08                            | 22.23                     | 22.7                   |
| 15              | QPSK       | 1       | 37        | 22.18                    | 22.31                           | 22.04                            | 22.29                     |                        |
| 15              | QPSK       | 1       | 74        | 22.22                    | 22.18                           | 22.06                            | 22.15                     |                        |
| 15              | QPSK       | 36      | 0         | 22.34                    | 22.34                           | 22.27                            | 22.19                     | 22.7                   |
| 15              | QPSK       | 36      | 20        | 22.12                    | 22.32                           | 22.18                            | 22.30                     |                        |
| 15              | QPSK       | 36      | 39        | 22.11                    | 22.09                           | 22.20                            | 22.22                     |                        |
| 15              | QPSK       | 75      | 0         | 22.18                    | 22.29                           | 22.22                            | 22.23                     | 22.7                   |
| 15              | 16QAM      | 1       | 0         | 22.20                    | 22.24                           | 22.08                            | 22.31                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.11                    | 22.38                           | 22.22                            | 22.13                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.22                    | 22.27                           | 22.02                            | 22.25                     | 22.2                   |
| 15              | 16QAM      | 36      | 0         | 21.29                    | 21.45                           | 21.24                            | 21.36                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.43                    | 21.42                           | 21.36                            | 21.43                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.45                    | 21.46                           | 21.22                            | 21.37                     | 22.2                   |
| 15              | 16QAM      | 75      | 0         | 21.28                    | 21.44                           | 21.19                            | 21.33                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.02                    | 21.29                           | 21.00                            | 21.22                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.08                    | 21.33                           | 21.04                            | 21.13                     | 21.2                   |
| 15              | 64QAM      | 1       | 74        | 21.01                    | 21.02                           | 21.02                            | 21.14                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.20                    | 20.59                           | 20.18                            | 20.45                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.45                    | 20.50                           | 20.21                            | 20.28                     | 19.2                   |
| 15              | 64QAM      | 36      | 39        | 20.39                    | 20.58                           | 20.38                            | 20.36                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.33                    | 20.32                           | 20.32                            | 20.40                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.73                    | 17.82                           | 17.50                            | 17.76                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.64                    | 17.65                           | 17.41                            | 17.62                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.44                    | 17.76                           | 17.49                            | 17.63                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.67                    | 17.92                           | 17.55                            | 17.75                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.65                    | 17.74                           | 17.60                            | 17.72                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.70                    | 17.81                           | 17.65                            | 17.73                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.64  | 17.86  | 17.46  | 17.74  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.23  | 22.33  | 22.13  | 22.39  | 22.7                   |
| 10              | QPSK   | 1  | 25 | 22.24  | 22.34  | 22.03  | 22.22  |                        |
| 10              | QPSK   | 1  | 49 | 22.15  | 22.33  | 22.07  | 22.18  |                        |
| 10              | QPSK   | 25 | 0  | 22.28  | 22.36  | 22.22  | 22.19  | 22.7                   |
| 10              | QPSK   | 25 | 12 | 22.14  | 22.26  | 22.12  | 22.30  |                        |
| 10              | QPSK   | 25 | 25 | 22.11  | 22.21  | 22.27  | 22.36  |                        |
| 10              | QPSK   | 50 | 0  | 22.04  | 22.19  | 22.20  | 22.20  | 22.7                   |
| 10              | 16QAM  | 1  | 0  | 22.11  | 22.14  | 22.14  | 22.26  |                        |
| 10              | 16QAM  | 1  | 25 | 22.25  | 22.38  | 22.27  | 22.22  |                        |
| 10              | 16QAM  | 1  | 49 | 22.30  | 22.23  | 22.09  | 22.10  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 21.35  | 21.39  | 21.29  | 21.34  |                        |
| 10              | 16QAM  | 25 | 12 | 21.28  | 21.48  | 21.26  | 21.42  |                        |
| 10              | 16QAM  | 25 | 25 | 21.39  | 21.52  | 21.27  | 21.35  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 21.36  | 21.52  | 21.32  | 21.45  |                        |
| 10              | 64QAM  | 1  | 0  | 21.03  | 21.17  | 20.88  | 21.17  |                        |
| 10              | 64QAM  | 1  | 25 | 21.26  | 21.20  | 20.95  | 21.09  | 22.2                   |
| 10              | 64QAM  | 1  | 49 | 21.10  | 21.11  | 20.90  | 21.04  |                        |
| 10              | 64QAM  | 25 | 0  | 20.27  | 20.55  | 20.38  | 20.42  |                        |
| 10              | 64QAM  | 25 | 12 | 20.45  | 20.49  | 20.19  | 20.40  | 21.2                   |
| 10              | 64QAM  | 25 | 25 | 20.40  | 20.58  | 20.45  | 20.47  |                        |
| 10              | 64QAM  | 50 | 0  | 20.44  | 20.31  | 20.28  | 20.39  |                        |
| 10              | 256QAM | 1  | 0  | 17.84  | 17.82  | 17.52  | 17.90  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.71  | 17.72  | 17.57  | 17.63  |                        |
| 10              | 256QAM | 1  | 49 | 17.59  | 17.64  | 17.48  | 17.67  |                        |
| 10              | 256QAM | 25 | 0  | 17.73  | 17.97  | 17.65  | 17.77  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.78  | 17.73  | 17.57  | 17.58  |                        |
| 10              | 256QAM | 25 | 25 | 17.77  | 17.95  | 17.59  | 17.85  |                        |
| 10              | 256QAM | 50 | 0  | 17.69  | 17.80  | 17.34  | 17.77  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.23  | 22.32  | 22.27  | 22.28  | 22.7                   |
| 5               | QPSK   | 1  | 12 | 22.34  | 22.34  | 22.13  | 22.23  |                        |
| 5               | QPSK   | 1  | 24 | 22.24  | 22.29  | 22.17  | 22.11  |                        |
| 5               | QPSK   | 12 | 0  | 22.25  | 22.34  | 22.27  | 22.18  | 22.7                   |
| 5               | QPSK   | 12 | 7  | 22.19  | 22.20  | 22.20  | 22.29  |                        |
| 5               | QPSK   | 12 | 13 | 22.12  | 22.16  | 22.17  | 22.20  |                        |
| 5               | QPSK   | 25 | 0  | 22.09  | 22.12  | 22.05  | 22.27  | 22.7                   |
| 5               | 16QAM  | 1  | 0  | 22.19  | 22.13  | 22.20  | 22.37  |                        |
| 5               | 16QAM  | 1  | 12 | 22.22  | 22.39  | 22.17  | 22.26  |                        |
| 5               | 16QAM  | 1  | 24 | 22.17  | 22.22  | 22.17  | 22.22  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 21.33  | 21.58  | 21.31  | 21.49  |                        |
| 5               | 16QAM  | 12 | 7  | 21.33  | 21.44  | 21.34  | 21.35  |                        |
| 5               | 16QAM  | 12 | 13 | 21.44  | 21.41  | 21.21  | 21.44  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 21.34  | 21.36  | 21.30  | 21.38  |                        |
| 5               | 64QAM  | 1  | 0  | 20.98  | 21.27  | 20.98  | 21.15  |                        |
| 5               | 64QAM  | 1  | 12 | 21.19  | 21.24  | 21.07  | 21.15  | 22.2                   |
| 5               | 64QAM  | 1  | 24 | 21.02  | 21.17  | 20.94  | 20.98  |                        |
| 5               | 64QAM  | 12 | 0  | 20.17  | 20.55  | 20.32  | 20.48  |                        |
| 5               | 64QAM  | 12 | 7  | 20.35  | 20.56  | 20.27  | 20.25  | 21.2                   |
| 5               | 64QAM  | 12 | 13 | 20.49  | 20.58  | 20.30  | 20.38  |                        |
| 5               | 64QAM  | 25 | 0  | 20.40  | 20.38  | 20.24  | 20.51  |                        |
| 5               | 256QAM | 1  | 0  | 17.90  | 17.76  | 17.54  | 17.87  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.68  | 17.75  | 17.42  | 17.61  |                        |
| 5               | 256QAM | 1  | 24 | 17.48  | 17.69  | 17.36  | 17.65  |                        |
| 5               | 256QAM | 12 | 0  | 17.59  | 17.97  | 17.50  | 17.74  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.74  | 17.76  | 17.57  | 17.67  |                        |
| 5               | 256QAM | 12 | 13 | 17.84  | 17.95  | 17.48  | 17.88  |                        |
| 5               | 256QAM | 25 | 0  | 17.72  | 17.71  | 17.37  | 17.67  |                        |



&lt;LTE Band 48\_Ant 6\_Index 10&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.23                    | 22.28                           | 22.27                            | 22.35                     | 23.2                   |
| 20              | QPSK       | 1       | 49        | 22.20                    | 22.25                           | 22.22                            | 22.32                     |                        |
| 20              | QPSK       | 1       | 99        | 22.20                    | 22.27                           | 22.26                            | 22.31                     |                        |
| 20              | QPSK       | 50      | 0         | 22.22                    | 22.28                           | 22.34                            | 22.34                     | 23.2                   |
| 20              | QPSK       | 50      | 24        | 22.21                    | 22.26                           | 22.31                            | 22.32                     |                        |
| 20              | QPSK       | 50      | 50        | 22.08                    | 22.27                           | 22.24                            | 22.31                     |                        |
| 20              | QPSK       | 100     | 0         | 22.08                    | 22.24                           | 22.21                            | 22.29                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.12                    | 22.32                           | 22.25                            | 22.33                     | 23.2                   |
| 20              | 16QAM      | 1       | 49        | 22.13                    | 22.26                           | 22.20                            | 22.25                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.17                    | 22.26                           | 22.26                            | 22.28                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.67                    | 21.75                           | 21.73                            | 21.84                     | 22.5                   |
| 20              | 16QAM      | 50      | 24        | 21.62                    | 21.76                           | 21.73                            | 21.84                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.63                    | 21.75                           | 21.72                            | 21.85                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.61                    | 21.74                           | 21.72                            | 21.84                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.38                    | 21.48                           | 21.43                            | 21.55                     | 22.5                   |
| 20              | 64QAM      | 1       | 49        | 21.41                    | 21.53                           | 21.52                            | 21.62                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.36                    | 21.47                           | 21.43                            | 21.58                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.60                    | 20.73                           | 20.67                            | 20.78                     | 21.5                   |
| 20              | 64QAM      | 50      | 24        | 20.71                    | 20.81                           | 20.80                            | 20.89                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.70                    | 20.79                           | 20.78                            | 20.92                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.72                    | 20.82                           | 20.77                            | 20.90                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.30                    | 18.36                           | 18.26                            | 18.38                     | 19.5                   |
| 20              | 256QAM     | 1       | 49        | 18.10                    | 18.26                           | 17.98                            | 18.11                     |                        |
| 20              | 256QAM     | 1       | 99        | 18.06                    | 18.34                           | 18.16                            | 18.20                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.43                    | 18.59                           | 18.44                            | 18.58                     | 19.5                   |
| 20              | 256QAM     | 50      | 24        | 18.29                    | 18.55                           | 18.36                            | 18.45                     |                        |
| 20              | 256QAM     | 50      | 50        | 18.32                    | 18.64                           | 18.37                            | 18.48                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.29                    | 18.51                           | 18.30                            | 18.49                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.08                    | 22.12                           | 22.26                            | 22.33                     | 23.2                   |
| 15              | QPSK       | 1       | 37        | 22.01                    | 22.14                           | 22.22                            | 22.31                     |                        |
| 15              | QPSK       | 1       | 74        | 22.13                    | 22.18                           | 22.20                            | 22.15                     |                        |
| 15              | QPSK       | 36      | 0         | 22.21                    | 22.15                           | 22.27                            | 22.15                     | 23.2                   |
| 15              | QPSK       | 36      | 20        | 22.13                    | 22.26                           | 22.14                            | 22.13                     |                        |
| 15              | QPSK       | 36      | 39        | 21.95                    | 22.07                           | 22.06                            | 22.28                     |                        |
| 15              | QPSK       | 75      | 0         | 22.07                    | 22.18                           | 22.10                            | 22.16                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.00                    | 22.30                           | 22.18                            | 22.19                     | 23.2                   |
| 15              | 16QAM      | 1       | 37        | 22.05                    | 22.16                           | 22.16                            | 22.06                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.11                    | 22.14                           | 22.08                            | 22.28                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.56                    | 21.56                           | 21.63                            | 21.83                     | 22.5                   |
| 15              | 16QAM      | 36      | 20        | 21.60                    | 21.59                           | 21.56                            | 21.78                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.57                    | 21.62                           | 21.60                            | 21.68                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.50                    | 21.59                           | 21.66                            | 21.70                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.35                    | 21.45                           | 21.37                            | 21.45                     | 22.5                   |
| 15              | 64QAM      | 1       | 37        | 21.36                    | 21.33                           | 21.38                            | 21.61                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.27                    | 21.42                           | 21.24                            | 21.44                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.54                    | 20.60                           | 20.49                            | 20.61                     | 21.5                   |
| 15              | 64QAM      | 36      | 20        | 20.66                    | 20.71                           | 20.60                            | 20.88                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.70                    | 20.70                           | 20.60                            | 20.79                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.60                    | 20.63                           | 20.72                            | 20.77                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.30                    | 18.16                           | 18.12                            | 18.38                     | 19.5                   |
| 15              | 256QAM     | 1       | 37        | 18.02                    | 18.24                           | 17.96                            | 17.99                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.94                    | 18.17                           | 17.97                            | 18.09                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.24                    | 18.51                           | 18.44                            | 18.57                     | 19.5                   |
| 15              | 256QAM     | 36      | 20        | 18.19                    | 18.53                           | 18.22                            | 18.44                     |                        |
| 15              | 256QAM     | 36      | 39        | 18.14                    | 18.54                           | 18.37                            | 18.31                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.13  | 18.45  | 18.21  | 18.47  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.22  | 22.23  | 22.17  | 22.15  | 23.2                   |
| 10              | QPSK   | 1  | 25 | 22.11  | 22.07  | 22.11  | 22.26  |                        |
| 10              | QPSK   | 1  | 49 | 22.15  | 22.12  | 22.22  | 22.17  |                        |
| 10              | QPSK   | 25 | 0  | 22.20  | 22.28  | 22.28  | 22.32  | 23.2                   |
| 10              | QPSK   | 25 | 12 | 22.10  | 22.17  | 22.24  | 22.12  |                        |
| 10              | QPSK   | 25 | 25 | 22.07  | 22.07  | 22.16  | 22.31  |                        |
| 10              | QPSK   | 50 | 0  | 22.07  | 22.18  | 22.09  | 22.14  | 23.2                   |
| 10              | 16QAM  | 1  | 0  | 21.99  | 22.21  | 22.18  | 22.27  |                        |
| 10              | 16QAM  | 1  | 25 | 21.97  | 22.09  | 22.01  | 22.16  |                        |
| 10              | 16QAM  | 1  | 49 | 22.06  | 22.09  | 22.24  | 22.20  | 22.5                   |
| 10              | 16QAM  | 25 | 0  | 21.56  | 21.61  | 21.69  | 21.67  |                        |
| 10              | 16QAM  | 25 | 12 | 21.58  | 21.64  | 21.65  | 21.77  |                        |
| 10              | 16QAM  | 25 | 25 | 21.55  | 21.55  | 21.56  | 21.77  | 22.5                   |
| 10              | 16QAM  | 50 | 0  | 21.52  | 21.64  | 21.70  | 21.79  |                        |
| 10              | 64QAM  | 1  | 0  | 21.34  | 21.45  | 21.41  | 21.47  |                        |
| 10              | 64QAM  | 1  | 25 | 21.40  | 21.43  | 21.35  | 21.46  | 22.5                   |
| 10              | 64QAM  | 1  | 49 | 21.36  | 21.35  | 21.30  | 21.38  |                        |
| 10              | 64QAM  | 25 | 0  | 20.52  | 20.55  | 20.58  | 20.69  |                        |
| 10              | 64QAM  | 25 | 12 | 20.59  | 20.77  | 20.65  | 20.80  | 21.5                   |
| 10              | 64QAM  | 25 | 25 | 20.57  | 20.74  | 20.77  | 20.89  |                        |
| 10              | 64QAM  | 50 | 0  | 20.64  | 20.67  | 20.76  | 20.87  |                        |
| 10              | 256QAM | 1  | 0  | 18.12  | 18.31  | 18.24  | 18.36  | 19.5                   |
| 10              | 256QAM | 1  | 25 | 17.96  | 18.20  | 17.83  | 18.02  |                        |
| 10              | 256QAM | 1  | 49 | 17.88  | 18.22  | 17.99  | 18.12  |                        |
| 10              | 256QAM | 25 | 0  | 18.33  | 18.43  | 18.42  | 18.38  | 19.5                   |
| 10              | 256QAM | 25 | 12 | 18.19  | 18.46  | 18.19  | 18.31  |                        |
| 10              | 256QAM | 25 | 25 | 18.30  | 18.60  | 18.21  | 18.47  |                        |
| 10              | 256QAM | 50 | 0  | 18.09  | 18.45  | 18.18  | 18.31  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.16  | 22.18  | 22.27  | 22.16  | 23.2                   |
| 5               | QPSK   | 1  | 12 | 22.13  | 22.08  | 22.05  | 22.17  |                        |
| 5               | QPSK   | 1  | 24 | 22.06  | 22.18  | 22.07  | 22.31  |                        |
| 5               | QPSK   | 12 | 0  | 22.02  | 22.21  | 22.21  | 22.30  | 23.2                   |
| 5               | QPSK   | 12 | 7  | 22.17  | 22.07  | 22.25  | 22.31  |                        |
| 5               | QPSK   | 12 | 13 | 21.93  | 22.14  | 22.11  | 22.29  |                        |
| 5               | QPSK   | 25 | 0  | 21.90  | 22.13  | 22.17  | 22.25  | 23.2                   |
| 5               | 16QAM  | 1  | 0  | 22.05  | 22.28  | 22.22  | 22.14  |                        |
| 5               | 16QAM  | 1  | 12 | 22.06  | 22.20  | 22.03  | 22.08  |                        |
| 5               | 16QAM  | 1  | 24 | 22.17  | 22.15  | 22.22  | 22.15  | 22.5                   |
| 5               | 16QAM  | 12 | 0  | 21.63  | 21.59  | 21.65  | 21.73  |                        |
| 5               | 16QAM  | 12 | 7  | 21.62  | 21.58  | 21.63  | 21.77  |                        |
| 5               | 16QAM  | 12 | 13 | 21.59  | 21.62  | 21.65  | 21.75  | 22.5                   |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.57  | 21.57  | 21.77  |                        |
| 5               | 64QAM  | 1  | 0  | 21.23  | 21.47  | 21.43  | 21.40  |                        |
| 5               | 64QAM  | 1  | 12 | 21.26  | 21.53  | 21.48  | 21.57  | 22.5                   |
| 5               | 64QAM  | 1  | 24 | 21.27  | 21.28  | 21.39  | 21.44  |                        |
| 5               | 64QAM  | 12 | 0  | 20.42  | 20.65  | 20.47  | 20.77  |                        |
| 5               | 64QAM  | 12 | 7  | 20.59  | 20.81  | 20.69  | 20.81  | 21.5                   |
| 5               | 64QAM  | 12 | 13 | 20.62  | 20.68  | 20.74  | 20.75  |                        |
| 5               | 64QAM  | 25 | 0  | 20.71  | 20.72  | 20.71  | 20.85  |                        |
| 5               | 256QAM | 1  | 0  | 18.24  | 18.22  | 18.20  | 18.38  | 19.5                   |
| 5               | 256QAM | 1  | 12 | 18.05  | 18.19  | 17.79  | 17.93  |                        |
| 5               | 256QAM | 1  | 24 | 17.91  | 18.33  | 18.16  | 18.18  |                        |
| 5               | 256QAM | 12 | 0  | 18.27  | 18.48  | 18.43  | 18.38  | 19.5                   |
| 5               | 256QAM | 12 | 7  | 18.25  | 18.39  | 18.36  | 18.38  |                        |
| 5               | 256QAM | 12 | 13 | 18.32  | 18.46  | 18.18  | 18.41  |                        |
| 5               | 256QAM | 25 | 0  | 18.23  | 18.44  | 18.20  | 18.37  |                        |



&lt;LTE Band 48\_Ant 1\_Index 10&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.86                    | 22.76                           | 22.74                            | 22.74                     | 23.7                   |
| 20              | QPSK       | 1       | 49        | 22.85                    | 22.70                           | 22.72                            | 22.73                     |                        |
| 20              | QPSK       | 1       | 99        | 22.83                    | 22.78                           | 22.72                            | 22.66                     |                        |
| 20              | QPSK       | 50      | 0         | 21.93                    | 21.84                           | 21.77                            | 21.71                     | 22.7                   |
| 20              | QPSK       | 50      | 24        | 21.92                    | 21.82                           | 21.75                            | 21.70                     |                        |
| 20              | QPSK       | 50      | 50        | 21.78                    | 21.83                           | 21.76                            | 21.70                     |                        |
| 20              | QPSK       | 100     | 0         | 21.78                    | 21.77                           | 21.74                            | 21.71                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.84                    | 21.89                           | 21.77                            | 21.80                     | 22.7                   |
| 20              | 16QAM      | 1       | 49        | 21.80                    | 21.81                           | 21.75                            | 21.71                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.85                    | 21.89                           | 21.84                            | 21.76                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.82                    | 20.86                           | 20.78                            | 20.76                     | 21.7                   |
| 20              | 16QAM      | 50      | 24        | 20.82                    | 20.86                           | 20.78                            | 20.75                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.84                    | 20.87                           | 20.81                            | 20.74                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.81                    | 20.86                           | 20.78                            | 20.74                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.53                    | 20.58                           | 20.46                            | 20.47                     | 21.7                   |
| 20              | 64QAM      | 1       | 49        | 20.49                    | 20.51                           | 20.44                            | 20.39                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.51                    | 20.55                           | 20.49                            | 20.43                     |                        |
| 20              | 64QAM      | 50      | 0         | 19.86                    | 19.89                           | 19.80                            | 19.79                     | 20.7                   |
| 20              | 64QAM      | 50      | 24        | 19.84                    | 19.88                           | 19.80                            | 19.75                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.84                    | 19.86                           | 19.82                            | 19.77                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.85                    | 19.87                           | 19.80                            | 19.75                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.70                    | 17.74                           | 17.72                            | 17.62                     | 18.7                   |
| 20              | 256QAM     | 1       | 49        | 17.63                    | 17.64                           | 17.63                            | 17.51                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.74                    | 17.72                           | 17.69                            | 17.63                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.90                    | 17.96                           | 17.90                            | 17.84                     | 18.7                   |
| 20              | 256QAM     | 50      | 24        | 17.88                    | 17.85                           | 17.90                            | 17.80                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.94                    | 18.01                           | 18.03                            | 17.93                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.90                    | 17.88                           | 17.91                            | 17.80                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.72                    | 22.56                           | 22.74                            | 22.72                     | 23.7                   |
| 15              | QPSK       | 1       | 37        | 22.70                    | 22.52                           | 22.65                            | 22.71                     |                        |
| 15              | QPSK       | 1       | 74        | 22.68                    | 22.76                           | 22.58                            | 22.55                     |                        |
| 15              | QPSK       | 36      | 0         | 21.80                    | 21.73                           | 21.65                            | 21.58                     | 22.7                   |
| 15              | QPSK       | 36      | 20        | 21.92                    | 21.74                           | 21.66                            | 21.55                     |                        |
| 15              | QPSK       | 36      | 39        | 21.72                    | 21.74                           | 21.58                            | 21.66                     |                        |
| 15              | QPSK       | 75      | 0         | 21.61                    | 21.67                           | 21.60                            | 21.54                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.69                    | 21.85                           | 21.65                            | 21.70                     | 22.7                   |
| 15              | 16QAM      | 1       | 37        | 21.77                    | 21.80                           | 21.71                            | 21.58                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.69                    | 21.82                           | 21.76                            | 21.60                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.72                    | 20.81                           | 20.58                            | 20.64                     | 21.7                   |
| 15              | 16QAM      | 36      | 20        | 20.77                    | 20.75                           | 20.75                            | 20.57                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.76                    | 20.73                           | 20.73                            | 20.59                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.63                    | 20.79                           | 20.74                            | 20.62                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.43                    | 20.41                           | 20.43                            | 20.45                     | 21.7                   |
| 15              | 64QAM      | 1       | 37        | 20.42                    | 20.35                           | 20.38                            | 20.28                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.31                    | 20.38                           | 20.35                            | 20.43                     |                        |
| 15              | 64QAM      | 36      | 0         | 19.66                    | 19.81                           | 19.77                            | 19.70                     | 20.7                   |
| 15              | 64QAM      | 36      | 20        | 19.80                    | 19.77                           | 19.76                            | 19.61                     |                        |
| 15              | 64QAM      | 36      | 39        | 19.80                    | 19.83                           | 19.67                            | 19.66                     |                        |
| 15              | 64QAM      | 75      | 0         | 19.81                    | 19.67                           | 19.80                            | 19.67                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.60                    | 17.61                           | 17.69                            | 17.44                     | 18.7                   |
| 15              | 256QAM     | 1       | 37        | 17.57                    | 17.46                           | 17.61                            | 17.38                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.62                    | 17.65                           | 17.50                            | 17.49                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.79                    | 17.90                           | 17.74                            | 17.71                     | 18.7                   |
| 15              | 256QAM     | 36      | 20        | 17.79                    | 17.71                           | 17.76                            | 17.66                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.81                    | 17.83                           | 17.88                            | 17.86                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.76  | 17.76  | 17.73  | 17.80  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.84  | 22.62  | 22.54  | 22.67  | 23.7                   |
| 10              | QPSK   | 1  | 25 | 22.85  | 22.62  | 22.72  | 22.69  |                        |
| 10              | QPSK   | 1  | 49 | 22.80  | 22.67  | 22.65  | 22.46  |                        |
| 10              | QPSK   | 25 | 0  | 21.93  | 21.78  | 21.66  | 21.59  | 22.7                   |
| 10              | QPSK   | 25 | 12 | 21.81  | 21.69  | 21.62  | 21.56  |                        |
| 10              | QPSK   | 25 | 25 | 21.77  | 21.75  | 21.63  | 21.53  |                        |
| 10              | QPSK   | 50 | 0  | 21.69  | 21.76  | 21.63  | 21.53  |                        |
| 10              | 16QAM  | 1  | 0  | 21.78  | 21.78  | 21.72  | 21.79  | 22.7                   |
| 10              | 16QAM  | 1  | 25 | 21.71  | 21.66  | 21.75  | 21.62  |                        |
| 10              | 16QAM  | 1  | 49 | 21.72  | 21.81  | 21.66  | 21.56  |                        |
| 10              | 16QAM  | 25 | 0  | 20.74  | 20.69  | 20.72  | 20.56  | 21.7                   |
| 10              | 16QAM  | 25 | 12 | 20.82  | 20.66  | 20.73  | 20.58  |                        |
| 10              | 16QAM  | 25 | 25 | 20.67  | 20.71  | 20.74  | 20.54  |                        |
| 10              | 16QAM  | 50 | 0  | 20.77  | 20.75  | 20.72  | 20.64  |                        |
| 10              | 64QAM  | 1  | 0  | 20.35  | 20.48  | 20.35  | 20.42  | 21.7                   |
| 10              | 64QAM  | 1  | 25 | 20.32  | 20.35  | 20.34  | 20.19  |                        |
| 10              | 64QAM  | 1  | 49 | 20.41  | 20.54  | 20.37  | 20.29  |                        |
| 10              | 64QAM  | 25 | 0  | 19.84  | 19.82  | 19.61  | 19.70  | 20.7                   |
| 10              | 64QAM  | 25 | 12 | 19.70  | 19.81  | 19.75  | 19.56  |                        |
| 10              | 64QAM  | 25 | 25 | 19.67  | 19.76  | 19.81  | 19.60  |                        |
| 10              | 64QAM  | 50 | 0  | 19.82  | 19.72  | 19.64  | 19.75  |                        |
| 10              | 256QAM | 1  | 0  | 17.53  | 17.73  | 17.54  | 17.51  | 18.7                   |
| 10              | 256QAM | 1  | 25 | 17.48  | 17.49  | 17.62  | 17.34  |                        |
| 10              | 256QAM | 1  | 49 | 17.54  | 17.59  | 17.69  | 17.62  |                        |
| 10              | 256QAM | 25 | 0  | 17.71  | 17.77  | 17.75  | 17.69  | 18.7                   |
| 10              | 256QAM | 25 | 12 | 17.69  | 17.70  | 17.89  | 17.78  |                        |
| 10              | 256QAM | 25 | 25 | 17.94  | 17.82  | 17.93  | 17.74  |                        |
| 10              | 256QAM | 50 | 0  | 17.78  | 17.86  | 17.73  | 17.70  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.85  | 22.56  | 22.72  | 22.69  | 23.7                   |
| 5               | QPSK   | 1  | 12 | 22.74  | 22.52  | 22.58  | 22.71  |                        |
| 5               | QPSK   | 1  | 24 | 22.72  | 22.67  | 22.70  | 22.46  |                        |
| 5               | QPSK   | 12 | 0  | 21.80  | 21.68  | 21.73  | 21.56  | 22.7                   |
| 5               | QPSK   | 12 | 7  | 21.86  | 21.63  | 21.69  | 21.52  |                        |
| 5               | QPSK   | 12 | 13 | 21.64  | 21.76  | 21.64  | 21.51  |                        |
| 5               | QPSK   | 25 | 0  | 21.58  | 21.72  | 21.69  | 21.56  |                        |
| 5               | 16QAM  | 1  | 0  | 21.79  | 21.83  | 21.65  | 21.78  | 22.7                   |
| 5               | 16QAM  | 1  | 12 | 21.70  | 21.72  | 21.55  | 21.65  |                        |
| 5               | 16QAM  | 1  | 24 | 21.82  | 21.75  | 21.79  | 21.60  |                        |
| 5               | 16QAM  | 12 | 0  | 20.65  | 20.71  | 20.58  | 20.73  | 21.7                   |
| 5               | 16QAM  | 12 | 7  | 20.72  | 20.78  | 20.65  | 20.67  |                        |
| 5               | 16QAM  | 12 | 13 | 20.72  | 20.67  | 20.68  | 20.72  |                        |
| 5               | 16QAM  | 25 | 0  | 20.62  | 20.76  | 20.78  | 20.54  |                        |
| 5               | 64QAM  | 1  | 0  | 20.50  | 20.57  | 20.43  | 20.43  | 21.7                   |
| 5               | 64QAM  | 1  | 12 | 20.30  | 20.33  | 20.37  | 20.21  |                        |
| 5               | 64QAM  | 1  | 24 | 20.48  | 20.35  | 20.41  | 20.30  |                        |
| 5               | 64QAM  | 12 | 0  | 19.73  | 19.72  | 19.78  | 19.66  | 20.7                   |
| 5               | 64QAM  | 12 | 7  | 19.72  | 19.78  | 19.65  | 19.71  |                        |
| 5               | 64QAM  | 12 | 13 | 19.74  | 19.84  | 19.74  | 19.76  |                        |
| 5               | 64QAM  | 25 | 0  | 19.68  | 19.83  | 19.79  | 19.58  |                        |
| 5               | 256QAM | 1  | 0  | 17.61  | 17.54  | 17.69  | 17.53  | 18.7                   |
| 5               | 256QAM | 1  | 12 | 17.44  | 17.54  | 17.58  | 17.41  |                        |
| 5               | 256QAM | 1  | 24 | 17.67  | 17.67  | 17.63  | 17.59  |                        |
| 5               | 256QAM | 12 | 0  | 17.74  | 17.92  | 17.81  | 17.77  | 18.7                   |
| 5               | 256QAM | 12 | 7  | 17.68  | 17.84  | 17.70  | 17.61  |                        |
| 5               | 256QAM | 12 | 13 | 17.82  | 17.94  | 17.95  | 17.80  |                        |
| 5               | 256QAM | 25 | 0  | 17.80  | 17.71  | 17.71  | 17.69  |                        |



&lt;LTE Band 48\_Ant 2\_Index 10&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 21.04                    | 21.10                           | 20.89                            | 21.09                     | 22.4                   |
| 20              | QPSK       | 1       | 49        | 21.03                    | 21.05                           | 20.85                            | 21.03                     |                        |
| 20              | QPSK       | 1       | 99        | 21.01                    | 21.02                           | 20.82                            | 21.00                     |                        |
| 20              | QPSK       | 50      | 0         | 21.07                    | 21.07                           | 20.89                            | 21.02                     | 22.4                   |
| 20              | QPSK       | 50      | 24        | 21.05                    | 21.03                           | 20.87                            | 21.04                     |                        |
| 20              | QPSK       | 50      | 50        | 21.04                    | 21.04                           | 20.87                            | 21.04                     |                        |
| 20              | QPSK       | 100     | 0         | 21.06                    | 21.07                           | 20.87                            | 21.03                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.07                    | 21.04                           | 20.88                            | 21.04                     | 22.4                   |
| 20              | 16QAM      | 1       | 49        | 21.03                    | 21.02                           | 20.75                            | 20.90                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.04                    | 20.97                           | 20.77                            | 20.98                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.94                    | 21.00                           | 20.79                            | 20.93                     | 22.2                   |
| 20              | 16QAM      | 50      | 24        | 20.96                    | 21.07                           | 20.78                            | 20.96                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.99                    | 21.02                           | 20.78                            | 20.96                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.97                    | 21.05                           | 20.77                            | 20.94                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.66                    | 20.86                           | 20.52                            | 20.61                     | 22.2                   |
| 20              | 64QAM      | 1       | 49        | 20.74                    | 20.81                           | 20.51                            | 20.70                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.75                    | 20.66                           | 20.48                            | 20.65                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.20                    | 20.35                           | 20.04                            | 20.18                     | 21.2                   |
| 20              | 64QAM      | 50      | 24        | 20.09                    | 20.31                           | 20.03                            | 20.18                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.21                    | 20.27                           | 20.03                            | 20.22                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.20                    | 20.31                           | 20.01                            | 20.19                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.68                    | 17.84                           | 17.43                            | 17.72                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.59                    | 17.57                           | 17.30                            | 17.42                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.49                    | 17.50                           | 17.41                            | 17.54                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.75                    | 18.02                           | 17.55                            | 17.69                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.83                    | 17.97                           | 17.73                            | 17.69                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.84                    | 18.00                           | 17.73                            | 17.66                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.78                    | 17.82                           | 17.56                            | 17.77                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 21.02                    | 21.02                           | 20.74                            | 20.99                     | 22.4                   |
| 15              | QPSK       | 1       | 37        | 20.85                    | 20.97                           | 20.76                            | 20.88                     |                        |
| 15              | QPSK       | 1       | 74        | 20.90                    | 20.82                           | 20.69                            | 20.87                     |                        |
| 15              | QPSK       | 36      | 0         | 20.93                    | 21.05                           | 20.71                            | 20.93                     | 22.4                   |
| 15              | QPSK       | 36      | 20        | 20.98                    | 20.89                           | 20.86                            | 20.93                     |                        |
| 15              | QPSK       | 36      | 39        | 20.85                    | 20.95                           | 20.74                            | 20.84                     |                        |
| 15              | QPSK       | 75      | 0         | 20.96                    | 20.97                           | 20.82                            | 20.92                     |                        |
| 15              | 16QAM      | 1       | 0         | 20.96                    | 21.02                           | 20.72                            | 20.93                     | 22.4                   |
| 15              | 16QAM      | 1       | 37        | 20.93                    | 20.84                           | 20.63                            | 20.84                     |                        |
| 15              | 16QAM      | 1       | 74        | 20.96                    | 20.95                           | 20.70                            | 20.84                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.82                    | 20.91                           | 20.64                            | 20.93                     | 22.2                   |
| 15              | 16QAM      | 36      | 20        | 20.91                    | 21.07                           | 20.71                            | 20.83                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.99                    | 20.92                           | 20.67                            | 20.96                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.80                    | 20.85                           | 20.76                            | 20.76                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.47                    | 20.73                           | 20.52                            | 20.48                     | 22.2                   |
| 15              | 64QAM      | 1       | 37        | 20.68                    | 20.72                           | 20.36                            | 20.63                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.57                    | 20.53                           | 20.40                            | 20.56                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.11                    | 20.16                           | 19.92                            | 20.06                     | 21.2                   |
| 15              | 64QAM      | 36      | 20        | 20.07                    | 20.22                           | 19.85                            | 20.18                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.11                    | 20.22                           | 19.92                            | 20.18                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.01                    | 20.17                           | 20.01                            | 20.10                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.51                    | 17.70                           | 17.41                            | 17.62                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.46                    | 17.50                           | 17.28                            | 17.25                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.42                    | 17.43                           | 17.27                            | 17.46                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.55                    | 17.93                           | 17.45                            | 17.58                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.83                    | 17.81                           | 17.57                            | 17.64                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.66                    | 17.91                           | 17.66                            | 17.50                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.75  | 17.64  | 17.43  | 17.71  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 20.84  | 20.90  | 20.77  | 21.03  | 22.4                   |
| 10              | QPSK   | 1  | 25 | 21.02  | 20.97  | 20.66  | 20.86  |                        |
| 10              | QPSK   | 1  | 49 | 20.85  | 20.90  | 20.71  | 21.00  |                        |
| 10              | QPSK   | 25 | 0  | 21.02  | 21.00  | 20.72  | 20.91  | 22.4                   |
| 10              | QPSK   | 25 | 12 | 21.00  | 20.86  | 20.75  | 20.92  |                        |
| 10              | QPSK   | 25 | 25 | 20.96  | 20.84  | 20.73  | 20.84  |                        |
| 10              | QPSK   | 50 | 0  | 21.01  | 21.04  | 20.83  | 20.92  | 22.4                   |
| 10              | 16QAM  | 1  | 0  | 20.93  | 20.85  | 20.83  | 20.87  |                        |
| 10              | 16QAM  | 1  | 25 | 20.94  | 20.87  | 20.59  | 20.84  |                        |
| 10              | 16QAM  | 1  | 49 | 20.87  | 20.92  | 20.74  | 20.78  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 20.90  | 20.98  | 20.66  | 20.83  |                        |
| 10              | 16QAM  | 25 | 12 | 20.77  | 21.00  | 20.58  | 20.91  |                        |
| 10              | 16QAM  | 25 | 25 | 20.97  | 20.85  | 20.66  | 20.94  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 20.81  | 20.90  | 20.57  | 20.93  |                        |
| 10              | 64QAM  | 1  | 0  | 20.64  | 20.70  | 20.40  | 20.59  |                        |
| 10              | 64QAM  | 1  | 25 | 20.73  | 20.76  | 20.38  | 20.63  | 21.2                   |
| 10              | 64QAM  | 1  | 49 | 20.67  | 20.48  | 20.31  | 20.47  |                        |
| 10              | 64QAM  | 25 | 0  | 20.09  | 20.16  | 19.92  | 19.99  |                        |
| 10              | 64QAM  | 25 | 12 | 20.07  | 20.16  | 19.86  | 20.06  | 19.2                   |
| 10              | 64QAM  | 25 | 25 | 20.04  | 20.22  | 19.98  | 20.04  |                        |
| 10              | 64QAM  | 50 | 0  | 20.11  | 20.24  | 19.95  | 20.09  |                        |
| 10              | 256QAM | 1  | 0  | 17.65  | 17.83  | 17.28  | 17.70  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.54  | 17.54  | 17.22  | 17.41  |                        |
| 10              | 256QAM | 1  | 49 | 17.46  | 17.37  | 17.39  | 17.54  |                        |
| 10              | 256QAM | 25 | 0  | 17.70  | 17.94  | 17.39  | 17.58  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.74  | 17.79  | 17.72  | 17.50  |                        |
| 10              | 256QAM | 25 | 25 | 17.67  | 17.82  | 17.67  | 17.62  |                        |
| 10              | 256QAM | 50 | 0  | 17.60  | 17.70  | 17.39  | 17.77  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 20.85  | 20.91  | 20.77  | 20.91  | 22.4                   |
| 5               | QPSK   | 1  | 12 | 20.89  | 20.86  | 20.81  | 20.85  |                        |
| 5               | QPSK   | 1  | 24 | 20.98  | 20.92  | 20.69  | 20.88  |                        |
| 5               | QPSK   | 12 | 0  | 20.99  | 20.88  | 20.75  | 21.01  | 22.4                   |
| 5               | QPSK   | 12 | 7  | 20.99  | 20.95  | 20.74  | 20.86  |                        |
| 5               | QPSK   | 12 | 13 | 21.04  | 20.99  | 20.85  | 20.85  |                        |
| 5               | QPSK   | 25 | 0  | 21.05  | 20.87  | 20.81  | 20.83  | 22.4                   |
| 5               | 16QAM  | 1  | 0  | 20.90  | 20.94  | 20.82  | 21.01  |                        |
| 5               | 16QAM  | 1  | 12 | 20.96  | 20.96  | 20.69  | 20.86  |                        |
| 5               | 16QAM  | 1  | 24 | 20.89  | 20.92  | 20.58  | 20.94  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 20.82  | 20.89  | 20.67  | 20.91  |                        |
| 5               | 16QAM  | 12 | 7  | 20.79  | 21.01  | 20.66  | 20.78  |                        |
| 5               | 16QAM  | 12 | 13 | 20.86  | 20.83  | 20.77  | 20.76  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 20.86  | 20.88  | 20.72  | 20.92  |                        |
| 5               | 64QAM  | 1  | 0  | 20.65  | 20.84  | 20.45  | 20.43  |                        |
| 5               | 64QAM  | 1  | 12 | 20.65  | 20.62  | 20.31  | 20.60  | 21.2                   |
| 5               | 64QAM  | 1  | 24 | 20.63  | 20.46  | 20.35  | 20.53  |                        |
| 5               | 64QAM  | 12 | 0  | 20.13  | 20.27  | 19.86  | 20.18  |                        |
| 5               | 64QAM  | 12 | 7  | 20.04  | 20.28  | 19.98  | 20.05  | 19.2                   |
| 5               | 64QAM  | 12 | 13 | 20.11  | 20.12  | 19.91  | 20.02  |                        |
| 5               | 64QAM  | 25 | 0  | 20.03  | 20.29  | 20.01  | 20.05  |                        |
| 5               | 256QAM | 1  | 0  | 17.48  | 17.83  | 17.37  | 17.65  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.46  | 17.54  | 17.30  | 17.22  |                        |
| 5               | 256QAM | 1  | 24 | 17.33  | 17.50  | 17.32  | 17.49  |                        |
| 5               | 256QAM | 12 | 0  | 17.56  | 17.87  | 17.44  | 17.59  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.76  | 17.79  | 17.60  | 17.66  |                        |
| 5               | 256QAM | 12 | 13 | 17.77  | 17.87  | 17.69  | 17.61  |                        |
| 5               | 256QAM | 25 | 0  | 17.74  | 17.75  | 17.36  | 17.70  |                        |



&lt;LTE Band 48\_Ant 5\_Index 10&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.39                    | 22.42                           | 22.28                            | 22.41                     | 23.4                   |
| 20              | QPSK       | 1       | 49        | 22.36                    | 22.36                           | 22.22                            | 22.38                     |                        |
| 20              | QPSK       | 1       | 99        | 22.34                    | 22.33                           | 22.22                            | 22.28                     |                        |
| 20              | QPSK       | 50      | 0         | 22.38                    | 22.37                           | 22.31                            | 22.36                     | 23.2                   |
| 20              | QPSK       | 50      | 24        | 22.30                    | 22.34                           | 22.23                            | 22.35                     |                        |
| 20              | QPSK       | 50      | 50        | 22.23                    | 22.29                           | 22.27                            | 22.36                     |                        |
| 20              | QPSK       | 100     | 0         | 22.21                    | 22.32                           | 22.24                            | 22.29                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.22                    | 22.33                           | 22.24                            | 22.41                     | 23.2                   |
| 20              | 16QAM      | 1       | 49        | 22.30                    | 22.39                           | 22.29                            | 22.26                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.33                    | 22.30                           | 22.21                            | 22.27                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.45                    | 21.58                           | 21.32                            | 21.51                     | 22.2                   |
| 20              | 16QAM      | 50      | 24        | 21.48                    | 21.56                           | 21.37                            | 21.50                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.52                    | 21.53                           | 21.39                            | 21.48                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.45                    | 21.52                           | 21.38                            | 21.49                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.16                    | 21.35                           | 21.05                            | 21.22                     | 22.2                   |
| 20              | 64QAM      | 1       | 49        | 21.27                    | 21.34                           | 21.10                            | 21.22                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.21                    | 21.19                           | 21.10                            | 21.15                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.35                    | 20.63                           | 20.38                            | 20.55                     | 21.2                   |
| 20              | 64QAM      | 50      | 24        | 20.49                    | 20.59                           | 20.29                            | 20.44                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.51                    | 20.58                           | 20.45                            | 20.50                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.51                    | 20.50                           | 20.37                            | 20.51                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.87                    | 17.83                           | 17.64                            | 17.79                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.75                    | 17.89                           | 17.66                            | 17.77                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.71                    | 17.93                           | 17.62                            | 17.74                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.78                    | 17.98                           | 17.82                            | 18.02                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.94                    | 18.02                           | 17.62                            | 17.76                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.81                    | 17.97                           | 17.68                            | 17.85                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.74                    | 17.80                           | 17.55                            | 17.92                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.31                    | 22.28                           | 22.25                            | 22.37                     | 23.4                   |
| 15              | QPSK       | 1       | 37        | 22.23                    | 22.35                           | 22.05                            | 22.37                     |                        |
| 15              | QPSK       | 1       | 74        | 22.25                    | 22.26                           | 22.13                            | 22.23                     |                        |
| 15              | QPSK       | 36      | 0         | 22.29                    | 22.30                           | 22.25                            | 22.36                     | 23.2                   |
| 15              | QPSK       | 36      | 20        | 22.28                    | 22.19                           | 22.12                            | 22.15                     |                        |
| 15              | QPSK       | 36      | 39        | 22.11                    | 22.24                           | 22.16                            | 22.27                     |                        |
| 15              | QPSK       | 75      | 0         | 22.16                    | 22.21                           | 22.20                            | 22.25                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.02                    | 22.13                           | 22.13                            | 22.31                     | 23.2                   |
| 15              | 16QAM      | 1       | 37        | 22.14                    | 22.20                           | 22.19                            | 22.19                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.28                    | 22.18                           | 22.11                            | 22.15                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.38                    | 21.57                           | 21.30                            | 21.37                     | 22.2                   |
| 15              | 16QAM      | 36      | 20        | 21.28                    | 21.43                           | 21.28                            | 21.33                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.44                    | 21.45                           | 21.34                            | 21.45                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.37                    | 21.37                           | 21.37                            | 21.47                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.98                    | 21.21                           | 20.91                            | 21.22                     | 22.2                   |
| 15              | 64QAM      | 1       | 37        | 21.27                    | 21.34                           | 21.09                            | 21.18                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.03                    | 21.02                           | 21.04                            | 20.98                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.21                    | 20.49                           | 20.35                            | 20.36                     | 21.2                   |
| 15              | 64QAM      | 36      | 20        | 20.47                    | 20.48                           | 20.23                            | 20.39                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.40                    | 20.43                           | 20.42                            | 20.49                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.46                    | 20.50                           | 20.19                            | 20.46                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.85                    | 17.67                           | 17.45                            | 17.71                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.56                    | 17.77                           | 17.64                            | 17.64                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.67                    | 17.89                           | 17.45                            | 17.72                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.68                    | 17.90                           | 17.74                            | 17.82                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.87                    | 17.98                           | 17.59                            | 17.67                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.80                    | 17.89                           | 17.55                            | 17.72                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.61  | 17.72  | 17.50  | 17.92  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.28  | 22.30  | 22.17  | 22.41  | 23.4                   |
| 10              | QPSK   | 1  | 25 | 22.27  | 22.30  | 22.09  | 22.30  |                        |
| 10              | QPSK   | 1  | 49 | 22.18  | 22.18  | 22.09  | 22.23  |                        |
| 10              | QPSK   | 25 | 0  | 22.27  | 22.19  | 22.24  | 22.24  | 23.2                   |
| 10              | QPSK   | 25 | 12 | 22.10  | 22.30  | 22.14  | 22.22  |                        |
| 10              | QPSK   | 25 | 25 | 22.07  | 22.16  | 22.15  | 22.17  |                        |
| 10              | QPSK   | 50 | 0  | 22.20  | 22.27  | 22.13  | 22.25  | 23.2                   |
| 10              | 16QAM  | 1  | 0  | 22.17  | 22.30  | 22.04  | 22.26  |                        |
| 10              | 16QAM  | 1  | 25 | 22.15  | 22.19  | 22.26  | 22.25  |                        |
| 10              | 16QAM  | 1  | 49 | 22.20  | 22.21  | 22.11  | 22.27  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 21.41  | 21.47  | 21.29  | 21.47  |                        |
| 10              | 16QAM  | 25 | 12 | 21.31  | 21.37  | 21.17  | 21.40  |                        |
| 10              | 16QAM  | 25 | 25 | 21.51  | 21.42  | 21.37  | 21.37  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 21.44  | 21.40  | 21.21  | 21.44  |                        |
| 10              | 64QAM  | 1  | 0  | 21.11  | 21.20  | 21.03  | 21.07  |                        |
| 10              | 64QAM  | 1  | 25 | 21.07  | 21.21  | 21.00  | 21.14  | 22.2                   |
| 10              | 64QAM  | 1  | 49 | 21.08  | 21.18  | 20.95  | 21.01  |                        |
| 10              | 64QAM  | 25 | 0  | 20.15  | 20.63  | 20.30  | 20.45  |                        |
| 10              | 64QAM  | 25 | 12 | 20.37  | 20.41  | 20.23  | 20.30  | 21.2                   |
| 10              | 64QAM  | 25 | 25 | 20.46  | 20.46  | 20.31  | 20.41  |                        |
| 10              | 64QAM  | 50 | 0  | 20.32  | 20.36  | 20.36  | 20.34  |                        |
| 10              | 256QAM | 1  | 0  | 17.82  | 17.71  | 17.62  | 17.63  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.62  | 17.86  | 17.55  | 17.59  |                        |
| 10              | 256QAM | 1  | 49 | 17.57  | 17.84  | 17.48  | 17.64  |                        |
| 10              | 256QAM | 25 | 0  | 17.59  | 17.79  | 17.78  | 17.84  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.80  | 17.90  | 17.61  | 17.57  |                        |
| 10              | 256QAM | 25 | 25 | 17.81  | 17.90  | 17.61  | 17.66  |                        |
| 10              | 256QAM | 50 | 0  | 17.63  | 17.61  | 17.51  | 17.91  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.36  | 22.28  | 22.20  | 22.37  | 23.4                   |
| 5               | QPSK   | 1  | 12 | 22.18  | 22.25  | 22.09  | 22.33  |                        |
| 5               | QPSK   | 1  | 24 | 22.14  | 22.23  | 22.06  | 22.23  |                        |
| 5               | QPSK   | 12 | 0  | 22.18  | 22.23  | 22.30  | 22.28  | 23.2                   |
| 5               | QPSK   | 12 | 7  | 22.13  | 22.29  | 22.14  | 22.26  |                        |
| 5               | QPSK   | 12 | 13 | 22.20  | 22.26  | 22.17  | 22.28  |                        |
| 5               | QPSK   | 25 | 0  | 22.03  | 22.31  | 22.15  | 22.19  | 23.2                   |
| 5               | 16QAM  | 1  | 0  | 22.21  | 22.33  | 22.11  | 22.30  |                        |
| 5               | 16QAM  | 1  | 12 | 22.27  | 22.32  | 22.24  | 22.14  |                        |
| 5               | 16QAM  | 1  | 24 | 22.30  | 22.17  | 22.17  | 22.26  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 21.26  | 21.50  | 21.14  | 21.42  |                        |
| 5               | 16QAM  | 12 | 7  | 21.29  | 21.36  | 21.30  | 21.49  |                        |
| 5               | 16QAM  | 12 | 13 | 21.35  | 21.41  | 21.29  | 21.44  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 21.36  | 21.49  | 21.37  | 21.44  |                        |
| 5               | 64QAM  | 1  | 0  | 21.16  | 21.21  | 20.95  | 21.07  |                        |
| 5               | 64QAM  | 1  | 12 | 21.18  | 21.28  | 20.91  | 21.04  | 22.2                   |
| 5               | 64QAM  | 1  | 24 | 21.01  | 21.04  | 20.98  | 21.11  |                        |
| 5               | 64QAM  | 12 | 0  | 20.32  | 20.54  | 20.31  | 20.42  |                        |
| 5               | 64QAM  | 12 | 7  | 20.46  | 20.49  | 20.22  | 20.36  | 21.2                   |
| 5               | 64QAM  | 12 | 13 | 20.47  | 20.49  | 20.29  | 20.43  |                        |
| 5               | 64QAM  | 25 | 0  | 20.35  | 20.49  | 20.28  | 20.34  |                        |
| 5               | 256QAM | 1  | 0  | 17.71  | 17.71  | 17.51  | 17.77  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.67  | 17.73  | 17.47  | 17.60  |                        |
| 5               | 256QAM | 1  | 24 | 17.54  | 17.87  | 17.49  | 17.55  |                        |
| 5               | 256QAM | 12 | 0  | 17.72  | 17.89  | 17.81  | 17.88  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.85  | 17.82  | 17.60  | 17.74  |                        |
| 5               | 256QAM | 12 | 13 | 17.70  | 17.89  | 17.53  | 17.74  |                        |
| 5               | 256QAM | 25 | 0  | 17.71  | 17.76  | 17.50  | 17.89  |                        |



&lt;LTE Band 48\_Ant 6\_Index 11&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.23                    | 22.28                           | 22.27                            | 22.35                     | 22.5                   |
| 20              | QPSK       | 1       | 49        | 22.20                    | 22.25                           | 22.22                            | 22.32                     |                        |
| 20              | QPSK       | 1       | 99        | 22.20                    | 22.27                           | 22.26                            | 22.31                     |                        |
| 20              | QPSK       | 50      | 0         | 22.22                    | 22.28                           | 22.34                            | 22.34                     | 22.5                   |
| 20              | QPSK       | 50      | 24        | 22.21                    | 22.26                           | 22.31                            | 22.32                     |                        |
| 20              | QPSK       | 50      | 50        | 22.08                    | 22.27                           | 22.24                            | 22.31                     |                        |
| 20              | QPSK       | 100     | 0         | 22.08                    | 22.24                           | 22.21                            | 22.29                     | 22.5                   |
| 20              | 16QAM      | 1       | 0         | 22.12                    | 22.32                           | 22.25                            | 22.33                     |                        |
| 20              | 16QAM      | 1       | 49        | 22.13                    | 22.26                           | 22.20                            | 22.25                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.17                    | 22.26                           | 22.26                            | 22.28                     | 22.5                   |
| 20              | 16QAM      | 50      | 0         | 21.67                    | 21.75                           | 21.73                            | 21.84                     |                        |
| 20              | 16QAM      | 50      | 24        | 21.62                    | 21.76                           | 21.73                            | 21.84                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.63                    | 21.75                           | 21.72                            | 21.85                     | 22.5                   |
| 20              | 16QAM      | 100     | 0         | 21.61                    | 21.74                           | 21.72                            | 21.84                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.38                    | 21.48                           | 21.43                            | 21.55                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.41                    | 21.53                           | 21.52                            | 21.62                     | 22.5                   |
| 20              | 64QAM      | 1       | 99        | 21.36                    | 21.47                           | 21.43                            | 21.58                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.60                    | 20.73                           | 20.67                            | 20.78                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.71                    | 20.81                           | 20.80                            | 20.89                     | 21.5                   |
| 20              | 64QAM      | 50      | 50        | 20.70                    | 20.79                           | 20.78                            | 20.92                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.72                    | 20.82                           | 20.77                            | 20.90                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.30                    | 18.36                           | 18.26                            | 18.38                     | 19.5                   |
| 20              | 256QAM     | 1       | 49        | 18.10                    | 18.26                           | 17.98                            | 18.11                     |                        |
| 20              | 256QAM     | 1       | 99        | 18.06                    | 18.34                           | 18.16                            | 18.20                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.43                    | 18.59                           | 18.44                            | 18.58                     | 19.5                   |
| 20              | 256QAM     | 50      | 24        | 18.29                    | 18.55                           | 18.36                            | 18.45                     |                        |
| 20              | 256QAM     | 50      | 50        | 18.32                    | 18.64                           | 18.37                            | 18.48                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.29                    | 18.51                           | 18.30                            | 18.49                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.08                    | 22.12                           | 22.26                            | 22.33                     | 22.5                   |
| 15              | QPSK       | 1       | 37        | 22.01                    | 22.14                           | 22.22                            | 22.31                     |                        |
| 15              | QPSK       | 1       | 74        | 22.13                    | 22.18                           | 22.20                            | 22.15                     |                        |
| 15              | QPSK       | 36      | 0         | 22.21                    | 22.15                           | 22.27                            | 22.15                     | 22.5                   |
| 15              | QPSK       | 36      | 20        | 22.13                    | 22.26                           | 22.14                            | 22.13                     |                        |
| 15              | QPSK       | 36      | 39        | 21.95                    | 22.07                           | 22.06                            | 22.28                     |                        |
| 15              | QPSK       | 75      | 0         | 22.07                    | 22.18                           | 22.10                            | 22.16                     | 22.5                   |
| 15              | 16QAM      | 1       | 0         | 22.00                    | 22.30                           | 22.18                            | 22.19                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.05                    | 22.16                           | 22.16                            | 22.06                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.11                    | 22.14                           | 22.08                            | 22.28                     | 22.5                   |
| 15              | 16QAM      | 36      | 0         | 21.56                    | 21.56                           | 21.63                            | 21.83                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.60                    | 21.59                           | 21.56                            | 21.78                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.57                    | 21.62                           | 21.60                            | 21.68                     | 22.5                   |
| 15              | 16QAM      | 75      | 0         | 21.50                    | 21.59                           | 21.66                            | 21.70                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.35                    | 21.45                           | 21.37                            | 21.45                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.36                    | 21.33                           | 21.38                            | 21.61                     | 22.5                   |
| 15              | 64QAM      | 1       | 74        | 21.27                    | 21.42                           | 21.24                            | 21.44                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.54                    | 20.60                           | 20.49                            | 20.61                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.66                    | 20.71                           | 20.60                            | 20.88                     | 21.5                   |
| 15              | 64QAM      | 36      | 39        | 20.70                    | 20.70                           | 20.60                            | 20.79                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.60                    | 20.63                           | 20.72                            | 20.77                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.30                    | 18.16                           | 18.12                            | 18.38                     | 19.5                   |
| 15              | 256QAM     | 1       | 37        | 18.02                    | 18.24                           | 17.96                            | 17.99                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.94                    | 18.17                           | 17.97                            | 18.09                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.24                    | 18.51                           | 18.44                            | 18.57                     | 19.5                   |
| 15              | 256QAM     | 36      | 20        | 18.19                    | 18.53                           | 18.22                            | 18.44                     |                        |
| 15              | 256QAM     | 36      | 39        | 18.14                    | 18.54                           | 18.37                            | 18.31                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.13  | 18.45  | 18.21  | 18.47  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.22  | 22.23  | 22.17  | 22.15  | 22.5                   |
| 10              | QPSK   | 1  | 25 | 22.11  | 22.07  | 22.11  | 22.26  |                        |
| 10              | QPSK   | 1  | 49 | 22.15  | 22.12  | 22.22  | 22.17  |                        |
| 10              | QPSK   | 25 | 0  | 22.20  | 22.28  | 22.28  | 22.32  | 22.5                   |
| 10              | QPSK   | 25 | 12 | 22.10  | 22.17  | 22.24  | 22.12  |                        |
| 10              | QPSK   | 25 | 25 | 22.07  | 22.07  | 22.16  | 22.31  |                        |
| 10              | QPSK   | 50 | 0  | 22.07  | 22.18  | 22.09  | 22.14  | 22.5                   |
| 10              | 16QAM  | 1  | 0  | 21.99  | 22.21  | 22.18  | 22.27  |                        |
| 10              | 16QAM  | 1  | 25 | 21.97  | 22.09  | 22.01  | 22.16  |                        |
| 10              | 16QAM  | 1  | 49 | 22.06  | 22.09  | 22.24  | 22.20  | 22.5                   |
| 10              | 16QAM  | 25 | 0  | 21.56  | 21.61  | 21.69  | 21.67  |                        |
| 10              | 16QAM  | 25 | 12 | 21.58  | 21.64  | 21.65  | 21.77  |                        |
| 10              | 16QAM  | 25 | 25 | 21.55  | 21.55  | 21.56  | 21.77  | 22.5                   |
| 10              | 16QAM  | 50 | 0  | 21.52  | 21.64  | 21.70  | 21.79  |                        |
| 10              | 64QAM  | 1  | 0  | 21.34  | 21.45  | 21.41  | 21.47  |                        |
| 10              | 64QAM  | 1  | 25 | 21.40  | 21.43  | 21.35  | 21.46  | 22.5                   |
| 10              | 64QAM  | 1  | 49 | 21.36  | 21.35  | 21.30  | 21.38  |                        |
| 10              | 64QAM  | 25 | 0  | 20.52  | 20.55  | 20.58  | 20.69  |                        |
| 10              | 64QAM  | 25 | 12 | 20.59  | 20.77  | 20.65  | 20.80  | 21.5                   |
| 10              | 64QAM  | 25 | 25 | 20.57  | 20.74  | 20.77  | 20.89  |                        |
| 10              | 64QAM  | 50 | 0  | 20.64  | 20.67  | 20.76  | 20.87  |                        |
| 10              | 256QAM | 1  | 0  | 18.12  | 18.31  | 18.24  | 18.36  | 19.5                   |
| 10              | 256QAM | 1  | 25 | 17.96  | 18.20  | 17.83  | 18.02  |                        |
| 10              | 256QAM | 1  | 49 | 17.88  | 18.22  | 17.99  | 18.12  |                        |
| 10              | 256QAM | 25 | 0  | 18.33  | 18.43  | 18.42  | 18.38  | 19.5                   |
| 10              | 256QAM | 25 | 12 | 18.19  | 18.46  | 18.19  | 18.31  |                        |
| 10              | 256QAM | 25 | 25 | 18.30  | 18.60  | 18.21  | 18.47  |                        |
| 10              | 256QAM | 50 | 0  | 18.09  | 18.45  | 18.18  | 18.31  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.16  | 22.18  | 22.27  | 22.16  | 22.5                   |
| 5               | QPSK   | 1  | 12 | 22.13  | 22.08  | 22.05  | 22.17  |                        |
| 5               | QPSK   | 1  | 24 | 22.06  | 22.18  | 22.07  | 22.31  |                        |
| 5               | QPSK   | 12 | 0  | 22.02  | 22.21  | 22.21  | 22.30  | 22.5                   |
| 5               | QPSK   | 12 | 7  | 22.17  | 22.07  | 22.25  | 22.31  |                        |
| 5               | QPSK   | 12 | 13 | 21.93  | 22.14  | 22.11  | 22.29  |                        |
| 5               | QPSK   | 25 | 0  | 21.90  | 22.13  | 22.17  | 22.25  | 22.5                   |
| 5               | 16QAM  | 1  | 0  | 22.05  | 22.28  | 22.22  | 22.14  |                        |
| 5               | 16QAM  | 1  | 12 | 22.06  | 22.20  | 22.03  | 22.08  |                        |
| 5               | 16QAM  | 1  | 24 | 22.17  | 22.15  | 22.22  | 22.15  | 22.5                   |
| 5               | 16QAM  | 12 | 0  | 21.63  | 21.59  | 21.65  | 21.73  |                        |
| 5               | 16QAM  | 12 | 7  | 21.62  | 21.58  | 21.63  | 21.77  |                        |
| 5               | 16QAM  | 12 | 13 | 21.59  | 21.62  | 21.65  | 21.75  | 22.5                   |
| 5               | 16QAM  | 25 | 0  | 21.41  | 21.57  | 21.57  | 21.77  |                        |
| 5               | 64QAM  | 1  | 0  | 21.23  | 21.47  | 21.43  | 21.40  |                        |
| 5               | 64QAM  | 1  | 12 | 21.26  | 21.53  | 21.48  | 21.57  | 22.5                   |
| 5               | 64QAM  | 1  | 24 | 21.27  | 21.28  | 21.39  | 21.44  |                        |
| 5               | 64QAM  | 12 | 0  | 20.42  | 20.65  | 20.47  | 20.77  |                        |
| 5               | 64QAM  | 12 | 7  | 20.59  | 20.81  | 20.69  | 20.81  | 21.5                   |
| 5               | 64QAM  | 12 | 13 | 20.62  | 20.68  | 20.74  | 20.75  |                        |
| 5               | 64QAM  | 25 | 0  | 20.71  | 20.72  | 20.71  | 20.85  |                        |
| 5               | 256QAM | 1  | 0  | 18.24  | 18.22  | 18.20  | 18.38  | 19.5                   |
| 5               | 256QAM | 1  | 12 | 18.05  | 18.19  | 17.79  | 17.93  |                        |
| 5               | 256QAM | 1  | 24 | 17.91  | 18.33  | 18.16  | 18.18  |                        |
| 5               | 256QAM | 12 | 0  | 18.27  | 18.48  | 18.43  | 18.38  | 19.5                   |
| 5               | 256QAM | 12 | 7  | 18.25  | 18.39  | 18.36  | 18.38  |                        |
| 5               | 256QAM | 12 | 13 | 18.32  | 18.46  | 18.18  | 18.41  |                        |
| 5               | 256QAM | 25 | 0  | 18.23  | 18.44  | 18.20  | 18.37  |                        |



&lt;LTE Band 48\_Ant 1\_Index 11&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.86                    | 22.76                           | 22.74                            | 22.74                     | 23.7                   |
| 20              | QPSK       | 1       | 49        | 22.85                    | 22.70                           | 22.72                            | 22.73                     |                        |
| 20              | QPSK       | 1       | 99        | 22.83                    | 22.78                           | 22.72                            | 22.66                     |                        |
| 20              | QPSK       | 50      | 0         | 21.93                    | 21.84                           | 21.77                            | 21.71                     | 22.7                   |
| 20              | QPSK       | 50      | 24        | 21.92                    | 21.82                           | 21.75                            | 21.70                     |                        |
| 20              | QPSK       | 50      | 50        | 21.78                    | 21.83                           | 21.76                            | 21.70                     |                        |
| 20              | QPSK       | 100     | 0         | 21.78                    | 21.77                           | 21.74                            | 21.71                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.84                    | 21.89                           | 21.77                            | 21.80                     | 22.7                   |
| 20              | 16QAM      | 1       | 49        | 21.80                    | 21.81                           | 21.75                            | 21.71                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.85                    | 21.89                           | 21.84                            | 21.76                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.82                    | 20.86                           | 20.78                            | 20.76                     | 21.7                   |
| 20              | 16QAM      | 50      | 24        | 20.82                    | 20.86                           | 20.78                            | 20.75                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.84                    | 20.87                           | 20.81                            | 20.74                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.81                    | 20.86                           | 20.78                            | 20.74                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.53                    | 20.58                           | 20.46                            | 20.47                     | 21.7                   |
| 20              | 64QAM      | 1       | 49        | 20.49                    | 20.51                           | 20.44                            | 20.39                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.51                    | 20.55                           | 20.49                            | 20.43                     |                        |
| 20              | 64QAM      | 50      | 0         | 19.86                    | 19.89                           | 19.80                            | 19.79                     | 20.7                   |
| 20              | 64QAM      | 50      | 24        | 19.84                    | 19.88                           | 19.80                            | 19.75                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.84                    | 19.86                           | 19.82                            | 19.77                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.85                    | 19.87                           | 19.80                            | 19.75                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.70                    | 17.74                           | 17.72                            | 17.62                     | 18.7                   |
| 20              | 256QAM     | 1       | 49        | 17.63                    | 17.64                           | 17.63                            | 17.51                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.74                    | 17.72                           | 17.69                            | 17.63                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.90                    | 17.96                           | 17.90                            | 17.84                     | 18.7                   |
| 20              | 256QAM     | 50      | 24        | 17.88                    | 17.85                           | 17.90                            | 17.80                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.94                    | 18.01                           | 18.03                            | 17.93                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.90                    | 17.88                           | 17.91                            | 17.80                     |                        |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.72                    | 22.56                           | 22.74                            | 22.72                     | 23.7                   |
| 15              | QPSK       | 1       | 37        | 22.70                    | 22.52                           | 22.65                            | 22.71                     |                        |
| 15              | QPSK       | 1       | 74        | 22.68                    | 22.76                           | 22.58                            | 22.55                     |                        |
| 15              | QPSK       | 36      | 0         | 21.80                    | 21.73                           | 21.65                            | 21.58                     | 22.7                   |
| 15              | QPSK       | 36      | 20        | 21.92                    | 21.74                           | 21.66                            | 21.55                     |                        |
| 15              | QPSK       | 36      | 39        | 21.72                    | 21.74                           | 21.58                            | 21.66                     |                        |
| 15              | QPSK       | 75      | 0         | 21.61                    | 21.67                           | 21.60                            | 21.54                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.69                    | 21.85                           | 21.65                            | 21.70                     | 22.7                   |
| 15              | 16QAM      | 1       | 37        | 21.77                    | 21.80                           | 21.71                            | 21.58                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.69                    | 21.82                           | 21.76                            | 21.60                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.72                    | 20.81                           | 20.58                            | 20.64                     | 21.7                   |
| 15              | 16QAM      | 36      | 20        | 20.77                    | 20.75                           | 20.75                            | 20.57                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.76                    | 20.73                           | 20.73                            | 20.59                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.63                    | 20.79                           | 20.74                            | 20.62                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.43                    | 20.41                           | 20.43                            | 20.45                     | 21.7                   |
| 15              | 64QAM      | 1       | 37        | 20.42                    | 20.35                           | 20.38                            | 20.28                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.31                    | 20.38                           | 20.35                            | 20.43                     |                        |
| 15              | 64QAM      | 36      | 0         | 19.66                    | 19.81                           | 19.77                            | 19.70                     | 20.7                   |
| 15              | 64QAM      | 36      | 20        | 19.80                    | 19.77                           | 19.76                            | 19.61                     |                        |
| 15              | 64QAM      | 36      | 39        | 19.80                    | 19.83                           | 19.67                            | 19.66                     |                        |
| 15              | 64QAM      | 75      | 0         | 19.81                    | 19.67                           | 19.80                            | 19.67                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.60                    | 17.61                           | 17.69                            | 17.44                     | 18.7                   |
| 15              | 256QAM     | 1       | 37        | 17.57                    | 17.46                           | 17.61                            | 17.38                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.62                    | 17.65                           | 17.50                            | 17.49                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.79                    | 17.90                           | 17.74                            | 17.71                     | 18.7                   |
| 15              | 256QAM     | 36      | 20        | 17.79                    | 17.71                           | 17.76                            | 17.66                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.81                    | 17.83                           | 17.88                            | 17.86                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.76  | 17.76  | 17.73  | 17.80  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.84  | 22.62  | 22.54  | 22.67  | 23.7                   |
| 10              | QPSK   | 1  | 25 | 22.85  | 22.62  | 22.72  | 22.69  |                        |
| 10              | QPSK   | 1  | 49 | 22.80  | 22.67  | 22.65  | 22.46  |                        |
| 10              | QPSK   | 25 | 0  | 21.93  | 21.78  | 21.66  | 21.59  | 22.7                   |
| 10              | QPSK   | 25 | 12 | 21.81  | 21.69  | 21.62  | 21.56  |                        |
| 10              | QPSK   | 25 | 25 | 21.77  | 21.75  | 21.63  | 21.53  |                        |
| 10              | QPSK   | 50 | 0  | 21.69  | 21.76  | 21.63  | 21.53  |                        |
| 10              | 16QAM  | 1  | 0  | 21.78  | 21.78  | 21.72  | 21.79  | 22.7                   |
| 10              | 16QAM  | 1  | 25 | 21.71  | 21.66  | 21.75  | 21.62  |                        |
| 10              | 16QAM  | 1  | 49 | 21.72  | 21.81  | 21.66  | 21.56  |                        |
| 10              | 16QAM  | 25 | 0  | 20.74  | 20.69  | 20.72  | 20.56  | 21.7                   |
| 10              | 16QAM  | 25 | 12 | 20.82  | 20.66  | 20.73  | 20.58  |                        |
| 10              | 16QAM  | 25 | 25 | 20.67  | 20.71  | 20.74  | 20.54  |                        |
| 10              | 16QAM  | 50 | 0  | 20.77  | 20.75  | 20.72  | 20.64  |                        |
| 10              | 64QAM  | 1  | 0  | 20.35  | 20.48  | 20.35  | 20.42  | 21.7                   |
| 10              | 64QAM  | 1  | 25 | 20.32  | 20.35  | 20.34  | 20.19  |                        |
| 10              | 64QAM  | 1  | 49 | 20.41  | 20.54  | 20.37  | 20.29  |                        |
| 10              | 64QAM  | 25 | 0  | 19.84  | 19.82  | 19.61  | 19.70  | 20.7                   |
| 10              | 64QAM  | 25 | 12 | 19.70  | 19.81  | 19.75  | 19.56  |                        |
| 10              | 64QAM  | 25 | 25 | 19.67  | 19.76  | 19.81  | 19.60  |                        |
| 10              | 64QAM  | 50 | 0  | 19.82  | 19.72  | 19.64  | 19.75  |                        |
| 10              | 256QAM | 1  | 0  | 17.53  | 17.73  | 17.54  | 17.51  | 18.7                   |
| 10              | 256QAM | 1  | 25 | 17.48  | 17.49  | 17.62  | 17.34  |                        |
| 10              | 256QAM | 1  | 49 | 17.54  | 17.59  | 17.69  | 17.62  |                        |
| 10              | 256QAM | 25 | 0  | 17.71  | 17.77  | 17.75  | 17.69  | 18.7                   |
| 10              | 256QAM | 25 | 12 | 17.69  | 17.70  | 17.89  | 17.78  |                        |
| 10              | 256QAM | 25 | 25 | 17.94  | 17.82  | 17.93  | 17.74  |                        |
| 10              | 256QAM | 50 | 0  | 17.78  | 17.86  | 17.73  | 17.70  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.85  | 22.56  | 22.72  | 22.69  | 23.7                   |
| 5               | QPSK   | 1  | 12 | 22.74  | 22.52  | 22.58  | 22.71  |                        |
| 5               | QPSK   | 1  | 24 | 22.72  | 22.67  | 22.70  | 22.46  |                        |
| 5               | QPSK   | 12 | 0  | 21.80  | 21.68  | 21.73  | 21.56  | 22.7                   |
| 5               | QPSK   | 12 | 7  | 21.86  | 21.63  | 21.69  | 21.52  |                        |
| 5               | QPSK   | 12 | 13 | 21.64  | 21.76  | 21.64  | 21.51  |                        |
| 5               | QPSK   | 25 | 0  | 21.58  | 21.72  | 21.69  | 21.56  |                        |
| 5               | 16QAM  | 1  | 0  | 21.79  | 21.83  | 21.65  | 21.78  | 22.7                   |
| 5               | 16QAM  | 1  | 12 | 21.70  | 21.72  | 21.55  | 21.65  |                        |
| 5               | 16QAM  | 1  | 24 | 21.82  | 21.75  | 21.79  | 21.60  |                        |
| 5               | 16QAM  | 12 | 0  | 20.65  | 20.71  | 20.58  | 20.73  | 21.7                   |
| 5               | 16QAM  | 12 | 7  | 20.72  | 20.78  | 20.65  | 20.67  |                        |
| 5               | 16QAM  | 12 | 13 | 20.72  | 20.67  | 20.68  | 20.72  |                        |
| 5               | 16QAM  | 25 | 0  | 20.62  | 20.76  | 20.78  | 20.54  |                        |
| 5               | 64QAM  | 1  | 0  | 20.50  | 20.57  | 20.43  | 20.43  | 21.7                   |
| 5               | 64QAM  | 1  | 12 | 20.30  | 20.33  | 20.37  | 20.21  |                        |
| 5               | 64QAM  | 1  | 24 | 20.48  | 20.35  | 20.41  | 20.30  |                        |
| 5               | 64QAM  | 12 | 0  | 19.73  | 19.72  | 19.78  | 19.66  | 20.7                   |
| 5               | 64QAM  | 12 | 7  | 19.72  | 19.78  | 19.65  | 19.71  |                        |
| 5               | 64QAM  | 12 | 13 | 19.74  | 19.84  | 19.74  | 19.76  |                        |
| 5               | 64QAM  | 25 | 0  | 19.68  | 19.83  | 19.79  | 19.58  |                        |
| 5               | 256QAM | 1  | 0  | 17.61  | 17.54  | 17.69  | 17.53  | 18.7                   |
| 5               | 256QAM | 1  | 12 | 17.44  | 17.54  | 17.58  | 17.41  |                        |
| 5               | 256QAM | 1  | 24 | 17.67  | 17.67  | 17.63  | 17.59  |                        |
| 5               | 256QAM | 12 | 0  | 17.74  | 17.92  | 17.81  | 17.77  | 18.7                   |
| 5               | 256QAM | 12 | 7  | 17.68  | 17.84  | 17.70  | 17.61  |                        |
| 5               | 256QAM | 12 | 13 | 17.82  | 17.94  | 17.95  | 17.80  |                        |
| 5               | 256QAM | 25 | 0  | 17.80  | 17.71  | 17.71  | 17.69  |                        |



&lt;LTE Band 48\_Ant 2\_Index 11&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 21.04                 | 21.10                        | 20.89                         | 21.09                  | 21.7                |
| 20              | QPSK       | 1       | 49        | 21.03                 | 21.05                        | 20.85                         | 21.03                  |                     |
| 20              | QPSK       | 1       | 99        | 21.01                 | 21.02                        | 20.82                         | 21.00                  |                     |
| 20              | QPSK       | 50      | 0         | 21.07                 | 21.07                        | 20.89                         | 21.02                  | 21.7                |
| 20              | QPSK       | 50      | 24        | 21.05                 | 21.03                        | 20.87                         | 21.04                  |                     |
| 20              | QPSK       | 50      | 50        | 21.04                 | 21.04                        | 20.87                         | 21.04                  |                     |
| 20              | QPSK       | 100     | 0         | 21.06                 | 21.07                        | 20.87                         | 21.03                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.07                 | 21.04                        | 20.88                         | 21.04                  | 21.7                |
| 20              | 16QAM      | 1       | 49        | 21.03                 | 21.02                        | 20.75                         | 20.90                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.04                 | 20.97                        | 20.77                         | 20.98                  |                     |
| 20              | 16QAM      | 50      | 0         | 20.94                 | 21.00                        | 20.79                         | 20.93                  |                     |
| 20              | 16QAM      | 50      | 24        | 20.96                 | 21.07                        | 20.78                         | 20.96                  | 21.7                |
| 20              | 16QAM      | 50      | 50        | 20.99                 | 21.02                        | 20.78                         | 20.96                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.97                 | 21.05                        | 20.77                         | 20.94                  |                     |
| 20              | 64QAM      | 1       | 0         | 20.66                 | 20.86                        | 20.52                         | 20.61                  |                     |
| 20              | 64QAM      | 1       | 49        | 20.74                 | 20.81                        | 20.51                         | 20.70                  | 21.7                |
| 20              | 64QAM      | 1       | 99        | 20.75                 | 20.66                        | 20.48                         | 20.65                  |                     |
| 20              | 64QAM      | 50      | 0         | 20.20                 | 20.35                        | 20.04                         | 20.18                  |                     |
| 20              | 64QAM      | 50      | 24        | 20.09                 | 20.31                        | 20.03                         | 20.18                  | 21.2                |
| 20              | 64QAM      | 50      | 50        | 20.21                 | 20.27                        | 20.03                         | 20.22                  |                     |
| 20              | 64QAM      | 100     | 0         | 20.20                 | 20.31                        | 20.01                         | 20.19                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.68                 | 17.84                        | 17.43                         | 17.72                  | 19.2                |
| 20              | 256QAM     | 1       | 49        | 17.59                 | 17.57                        | 17.30                         | 17.42                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.49                 | 17.50                        | 17.41                         | 17.54                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.75                 | 18.02                        | 17.55                         | 17.69                  | 19.2                |
| 20              | 256QAM     | 50      | 24        | 17.83                 | 17.97                        | 17.73                         | 17.69                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.84                 | 18.00                        | 17.73                         | 17.66                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.78                 | 17.82                        | 17.56                         | 17.77                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 21.02                 | 21.02                        | 20.74                         | 20.99                  | 21.7                |
| 15              | QPSK       | 1       | 37        | 20.85                 | 20.97                        | 20.76                         | 20.88                  |                     |
| 15              | QPSK       | 1       | 74        | 20.90                 | 20.82                        | 20.69                         | 20.87                  |                     |
| 15              | QPSK       | 36      | 0         | 20.93                 | 21.05                        | 20.71                         | 20.93                  | 21.7                |
| 15              | QPSK       | 36      | 20        | 20.98                 | 20.89                        | 20.86                         | 20.93                  |                     |
| 15              | QPSK       | 36      | 39        | 20.85                 | 20.95                        | 20.74                         | 20.84                  |                     |
| 15              | QPSK       | 75      | 0         | 20.96                 | 20.97                        | 20.82                         | 20.92                  |                     |
| 15              | 16QAM      | 1       | 0         | 20.96                 | 21.02                        | 20.72                         | 20.93                  | 21.7                |
| 15              | 16QAM      | 1       | 37        | 20.93                 | 20.84                        | 20.63                         | 20.84                  |                     |
| 15              | 16QAM      | 1       | 74        | 20.96                 | 20.95                        | 20.70                         | 20.84                  |                     |
| 15              | 16QAM      | 36      | 0         | 20.82                 | 20.91                        | 20.64                         | 20.93                  | 21.7                |
| 15              | 16QAM      | 36      | 20        | 20.91                 | 21.07                        | 20.71                         | 20.83                  |                     |
| 15              | 16QAM      | 36      | 39        | 20.99                 | 20.92                        | 20.67                         | 20.96                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.80                 | 20.85                        | 20.76                         | 20.76                  |                     |
| 15              | 64QAM      | 1       | 0         | 20.47                 | 20.73                        | 20.52                         | 20.48                  | 21.7                |
| 15              | 64QAM      | 1       | 37        | 20.68                 | 20.72                        | 20.36                         | 20.63                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.57                 | 20.53                        | 20.40                         | 20.56                  |                     |
| 15              | 64QAM      | 36      | 0         | 20.11                 | 20.16                        | 19.92                         | 20.06                  | 21.2                |
| 15              | 64QAM      | 36      | 20        | 20.07                 | 20.22                        | 19.85                         | 20.18                  |                     |
| 15              | 64QAM      | 36      | 39        | 20.11                 | 20.22                        | 19.92                         | 20.18                  |                     |
| 15              | 64QAM      | 75      | 0         | 20.01                 | 20.17                        | 20.01                         | 20.10                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.51                 | 17.70                        | 17.41                         | 17.62                  | 19.2                |
| 15              | 256QAM     | 1       | 37        | 17.46                 | 17.50                        | 17.28                         | 17.25                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.42                 | 17.43                        | 17.27                         | 17.46                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.55                 | 17.93                        | 17.45                         | 17.58                  | 19.2                |
| 15              | 256QAM     | 36      | 20        | 17.83                 | 17.81                        | 17.57                         | 17.64                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.66                 | 17.91                        | 17.66                         | 17.50                  |                     |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.75  | 17.64  | 17.43  | 17.71  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 20.84  | 20.90  | 20.77  | 21.03  | 21.7                   |
| 10              | QPSK   | 1  | 25 | 21.02  | 20.97  | 20.66  | 20.86  |                        |
| 10              | QPSK   | 1  | 49 | 20.85  | 20.90  | 20.71  | 21.00  |                        |
| 10              | QPSK   | 25 | 0  | 21.02  | 21.00  | 20.72  | 20.91  | 21.7                   |
| 10              | QPSK   | 25 | 12 | 21.00  | 20.86  | 20.75  | 20.92  |                        |
| 10              | QPSK   | 25 | 25 | 20.96  | 20.84  | 20.73  | 20.84  |                        |
| 10              | QPSK   | 50 | 0  | 21.01  | 21.04  | 20.83  | 20.92  |                        |
| 10              | 16QAM  | 1  | 0  | 20.93  | 20.85  | 20.83  | 20.87  | 21.7                   |
| 10              | 16QAM  | 1  | 25 | 20.94  | 20.87  | 20.59  | 20.84  |                        |
| 10              | 16QAM  | 1  | 49 | 20.87  | 20.92  | 20.74  | 20.78  |                        |
| 10              | 16QAM  | 25 | 0  | 20.90  | 20.98  | 20.66  | 20.83  | 21.7                   |
| 10              | 16QAM  | 25 | 12 | 20.77  | 21.00  | 20.58  | 20.91  |                        |
| 10              | 16QAM  | 25 | 25 | 20.97  | 20.85  | 20.66  | 20.94  |                        |
| 10              | 16QAM  | 50 | 0  | 20.81  | 20.90  | 20.57  | 20.93  |                        |
| 10              | 64QAM  | 1  | 0  | 20.64  | 20.70  | 20.40  | 20.59  | 21.7                   |
| 10              | 64QAM  | 1  | 25 | 20.73  | 20.76  | 20.38  | 20.63  |                        |
| 10              | 64QAM  | 1  | 49 | 20.67  | 20.48  | 20.31  | 20.47  |                        |
| 10              | 64QAM  | 25 | 0  | 20.09  | 20.16  | 19.92  | 19.99  | 21.2                   |
| 10              | 64QAM  | 25 | 12 | 20.07  | 20.16  | 19.86  | 20.06  |                        |
| 10              | 64QAM  | 25 | 25 | 20.04  | 20.22  | 19.98  | 20.04  |                        |
| 10              | 64QAM  | 50 | 0  | 20.11  | 20.24  | 19.95  | 20.09  |                        |
| 10              | 256QAM | 1  | 0  | 17.65  | 17.83  | 17.28  | 17.70  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.54  | 17.54  | 17.22  | 17.41  |                        |
| 10              | 256QAM | 1  | 49 | 17.46  | 17.37  | 17.39  | 17.54  |                        |
| 10              | 256QAM | 25 | 0  | 17.70  | 17.94  | 17.39  | 17.58  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.74  | 17.79  | 17.72  | 17.50  |                        |
| 10              | 256QAM | 25 | 25 | 17.67  | 17.82  | 17.67  | 17.62  |                        |
| 10              | 256QAM | 50 | 0  | 17.60  | 17.70  | 17.39  | 17.77  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 20.85  | 20.91  | 20.77  | 20.91  | 21.7                   |
| 5               | QPSK   | 1  | 12 | 20.89  | 20.86  | 20.81  | 20.85  |                        |
| 5               | QPSK   | 1  | 24 | 20.98  | 20.92  | 20.69  | 20.88  |                        |
| 5               | QPSK   | 12 | 0  | 20.99  | 20.88  | 20.75  | 21.01  | 21.7                   |
| 5               | QPSK   | 12 | 7  | 20.99  | 20.95  | 20.74  | 20.86  |                        |
| 5               | QPSK   | 12 | 13 | 21.04  | 20.99  | 20.85  | 20.85  |                        |
| 5               | QPSK   | 25 | 0  | 21.05  | 20.87  | 20.81  | 20.83  |                        |
| 5               | 16QAM  | 1  | 0  | 20.90  | 20.94  | 20.82  | 21.01  | 21.7                   |
| 5               | 16QAM  | 1  | 12 | 20.96  | 20.96  | 20.69  | 20.86  |                        |
| 5               | 16QAM  | 1  | 24 | 20.89  | 20.92  | 20.58  | 20.94  |                        |
| 5               | 16QAM  | 12 | 0  | 20.82  | 20.89  | 20.67  | 20.91  | 21.7                   |
| 5               | 16QAM  | 12 | 7  | 20.79  | 21.01  | 20.66  | 20.78  |                        |
| 5               | 16QAM  | 12 | 13 | 20.86  | 20.83  | 20.77  | 20.76  |                        |
| 5               | 16QAM  | 25 | 0  | 20.86  | 20.88  | 20.72  | 20.92  |                        |
| 5               | 64QAM  | 1  | 0  | 20.65  | 20.84  | 20.45  | 20.43  | 21.7                   |
| 5               | 64QAM  | 1  | 12 | 20.65  | 20.62  | 20.31  | 20.60  |                        |
| 5               | 64QAM  | 1  | 24 | 20.63  | 20.46  | 20.35  | 20.53  |                        |
| 5               | 64QAM  | 12 | 0  | 20.13  | 20.27  | 19.86  | 20.18  | 21.2                   |
| 5               | 64QAM  | 12 | 7  | 20.04  | 20.28  | 19.98  | 20.05  |                        |
| 5               | 64QAM  | 12 | 13 | 20.11  | 20.12  | 19.91  | 20.02  |                        |
| 5               | 64QAM  | 25 | 0  | 20.03  | 20.29  | 20.01  | 20.05  |                        |
| 5               | 256QAM | 1  | 0  | 17.48  | 17.83  | 17.37  | 17.65  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.46  | 17.54  | 17.30  | 17.22  |                        |
| 5               | 256QAM | 1  | 24 | 17.33  | 17.50  | 17.32  | 17.49  |                        |
| 5               | 256QAM | 12 | 0  | 17.56  | 17.87  | 17.44  | 17.59  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.76  | 17.79  | 17.60  | 17.66  |                        |
| 5               | 256QAM | 12 | 13 | 17.77  | 17.87  | 17.69  | 17.61  |                        |
| 5               | 256QAM | 25 | 0  | 17.74  | 17.75  | 17.36  | 17.70  |                        |



&lt;LTE Band 48\_Ant 5\_Index 11&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Low Middle<br>Ch. / Freq. | Power High Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|---------------------------------|----------------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 55340                    | 55830                           | 56150                            | 56640                     |                        |
| Frequency (MHz) |            |         |           | 3560                     | 3609                            | 3641                             | 3690                      |                        |
| 20              | QPSK       | 1       | 0         | 22.39                    | 22.42                           | 22.28                            | 22.41                     | 22.7                   |
| 20              | QPSK       | 1       | 49        | 22.36                    | 22.36                           | 22.22                            | 22.38                     |                        |
| 20              | QPSK       | 1       | 99        | 22.34                    | 22.33                           | 22.22                            | 22.28                     |                        |
| 20              | QPSK       | 50      | 0         | 22.38                    | 22.37                           | 22.31                            | 22.36                     | 22.7                   |
| 20              | QPSK       | 50      | 24        | 22.30                    | 22.34                           | 22.23                            | 22.35                     |                        |
| 20              | QPSK       | 50      | 50        | 22.23                    | 22.29                           | 22.27                            | 22.36                     |                        |
| 20              | QPSK       | 100     | 0         | 22.21                    | 22.32                           | 22.24                            | 22.29                     | 22.7                   |
| 20              | 16QAM      | 1       | 0         | 22.22                    | 22.33                           | 22.24                            | 22.41                     |                        |
| 20              | 16QAM      | 1       | 49        | 22.30                    | 22.39                           | 22.29                            | 22.26                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.33                    | 22.30                           | 22.21                            | 22.27                     | 22.2                   |
| 20              | 16QAM      | 50      | 0         | 21.45                    | 21.58                           | 21.32                            | 21.51                     |                        |
| 20              | 16QAM      | 50      | 24        | 21.48                    | 21.56                           | 21.37                            | 21.50                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.52                    | 21.53                           | 21.39                            | 21.48                     | 22.2                   |
| 20              | 16QAM      | 100     | 0         | 21.45                    | 21.52                           | 21.38                            | 21.49                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.16                    | 21.35                           | 21.05                            | 21.22                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.27                    | 21.34                           | 21.10                            | 21.22                     | 21.2                   |
| 20              | 64QAM      | 1       | 99        | 21.21                    | 21.19                           | 21.10                            | 21.15                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.35                    | 20.63                           | 20.38                            | 20.55                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.49                    | 20.59                           | 20.29                            | 20.44                     | 19.2                   |
| 20              | 64QAM      | 50      | 50        | 20.51                    | 20.58                           | 20.45                            | 20.50                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.51                    | 20.50                           | 20.37                            | 20.51                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.87                    | 17.83                           | 17.64                            | 17.79                     | 19.2                   |
| 20              | 256QAM     | 1       | 49        | 17.75                    | 17.89                           | 17.66                            | 17.77                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.71                    | 17.93                           | 17.62                            | 17.74                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.78                    | 17.98                           | 17.82                            | 18.02                     | 19.2                   |
| 20              | 256QAM     | 50      | 24        | 17.94                    | 18.02                           | 17.62                            | 17.76                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.81                    | 17.97                           | 17.68                            | 17.85                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.74                    | 17.80                           | 17.55                            | 17.92                     | Tune-up limit<br>(dBm) |
| Channel         |            |         |           | 55315                    | 55820                           | 56160                            | 56665                     |                        |
| Frequency (MHz) |            |         |           | 3557.5                   | 3608                            | 3642                             | 3692.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.31                    | 22.28                           | 22.25                            | 22.37                     | 22.7                   |
| 15              | QPSK       | 1       | 37        | 22.23                    | 22.35                           | 22.05                            | 22.37                     |                        |
| 15              | QPSK       | 1       | 74        | 22.25                    | 22.26                           | 22.13                            | 22.23                     |                        |
| 15              | QPSK       | 36      | 0         | 22.29                    | 22.30                           | 22.25                            | 22.36                     | 22.7                   |
| 15              | QPSK       | 36      | 20        | 22.28                    | 22.19                           | 22.12                            | 22.15                     |                        |
| 15              | QPSK       | 36      | 39        | 22.11                    | 22.24                           | 22.16                            | 22.27                     |                        |
| 15              | QPSK       | 75      | 0         | 22.16                    | 22.21                           | 22.20                            | 22.25                     | 22.7                   |
| 15              | 16QAM      | 1       | 0         | 22.02                    | 22.13                           | 22.13                            | 22.31                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.14                    | 22.20                           | 22.19                            | 22.19                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.28                    | 22.18                           | 22.11                            | 22.15                     | 22.2                   |
| 15              | 16QAM      | 36      | 0         | 21.38                    | 21.57                           | 21.30                            | 21.37                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.28                    | 21.43                           | 21.28                            | 21.33                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.44                    | 21.45                           | 21.34                            | 21.45                     | 22.2                   |
| 15              | 16QAM      | 75      | 0         | 21.37                    | 21.37                           | 21.37                            | 21.47                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.98                    | 21.21                           | 20.91                            | 21.22                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.27                    | 21.34                           | 21.09                            | 21.18                     | 21.2                   |
| 15              | 64QAM      | 1       | 74        | 21.03                    | 21.02                           | 21.04                            | 20.98                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.21                    | 20.49                           | 20.35                            | 20.36                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.47                    | 20.48                           | 20.23                            | 20.39                     | 19.2                   |
| 15              | 64QAM      | 36      | 39        | 20.40                    | 20.43                           | 20.42                            | 20.49                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.46                    | 20.50                           | 20.19                            | 20.46                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.85                    | 17.67                           | 17.45                            | 17.71                     | 19.2                   |
| 15              | 256QAM     | 1       | 37        | 17.56                    | 17.77                           | 17.64                            | 17.64                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.67                    | 17.89                           | 17.45                            | 17.72                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.68                    | 17.90                           | 17.74                            | 17.82                     | 19.2                   |
| 15              | 256QAM     | 36      | 20        | 17.87                    | 17.98                           | 17.59                            | 17.67                     |                        |
| 15              | 256QAM     | 36      | 39        | 17.80                    | 17.89                           | 17.55                            | 17.72                     |                        |



# FCC SAR TEST REPORT

Report No. : FA4N0920C

|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.61  | 17.72  | 17.50  | 17.92  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.28  | 22.30  | 22.17  | 22.41  | 22.7                   |
| 10              | QPSK   | 1  | 25 | 22.27  | 22.30  | 22.09  | 22.30  |                        |
| 10              | QPSK   | 1  | 49 | 22.18  | 22.18  | 22.09  | 22.23  |                        |
| 10              | QPSK   | 25 | 0  | 22.27  | 22.19  | 22.24  | 22.24  | 22.7                   |
| 10              | QPSK   | 25 | 12 | 22.10  | 22.30  | 22.14  | 22.22  |                        |
| 10              | QPSK   | 25 | 25 | 22.07  | 22.16  | 22.15  | 22.17  |                        |
| 10              | QPSK   | 50 | 0  | 22.20  | 22.27  | 22.13  | 22.25  | 22.7                   |
| 10              | 16QAM  | 1  | 0  | 22.17  | 22.30  | 22.04  | 22.26  |                        |
| 10              | 16QAM  | 1  | 25 | 22.15  | 22.19  | 22.26  | 22.25  |                        |
| 10              | 16QAM  | 1  | 49 | 22.20  | 22.21  | 22.11  | 22.27  | 22.2                   |
| 10              | 16QAM  | 25 | 0  | 21.41  | 21.47  | 21.29  | 21.47  |                        |
| 10              | 16QAM  | 25 | 12 | 21.31  | 21.37  | 21.17  | 21.40  |                        |
| 10              | 16QAM  | 25 | 25 | 21.51  | 21.42  | 21.37  | 21.37  | 22.2                   |
| 10              | 16QAM  | 50 | 0  | 21.44  | 21.40  | 21.21  | 21.44  |                        |
| 10              | 64QAM  | 1  | 0  | 21.11  | 21.20  | 21.03  | 21.07  |                        |
| 10              | 64QAM  | 1  | 25 | 21.07  | 21.21  | 21.00  | 21.14  | 22.2                   |
| 10              | 64QAM  | 1  | 49 | 21.08  | 21.18  | 20.95  | 21.01  |                        |
| 10              | 64QAM  | 25 | 0  | 20.15  | 20.63  | 20.30  | 20.45  |                        |
| 10              | 64QAM  | 25 | 12 | 20.37  | 20.41  | 20.23  | 20.30  | 21.2                   |
| 10              | 64QAM  | 25 | 25 | 20.46  | 20.46  | 20.31  | 20.41  |                        |
| 10              | 64QAM  | 50 | 0  | 20.32  | 20.36  | 20.36  | 20.34  |                        |
| 10              | 256QAM | 1  | 0  | 17.82  | 17.71  | 17.62  | 17.63  | 19.2                   |
| 10              | 256QAM | 1  | 25 | 17.62  | 17.86  | 17.55  | 17.59  |                        |
| 10              | 256QAM | 1  | 49 | 17.57  | 17.84  | 17.48  | 17.64  |                        |
| 10              | 256QAM | 25 | 0  | 17.59  | 17.79  | 17.78  | 17.84  | 19.2                   |
| 10              | 256QAM | 25 | 12 | 17.80  | 17.90  | 17.61  | 17.57  |                        |
| 10              | 256QAM | 25 | 25 | 17.81  | 17.90  | 17.61  | 17.66  |                        |
| 10              | 256QAM | 50 | 0  | 17.63  | 17.61  | 17.51  | 17.91  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  |                        |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.36  | 22.28  | 22.20  | 22.37  | 22.7                   |
| 5               | QPSK   | 1  | 12 | 22.18  | 22.25  | 22.09  | 22.33  |                        |
| 5               | QPSK   | 1  | 24 | 22.14  | 22.23  | 22.06  | 22.23  |                        |
| 5               | QPSK   | 12 | 0  | 22.18  | 22.23  | 22.30  | 22.28  | 22.7                   |
| 5               | QPSK   | 12 | 7  | 22.13  | 22.29  | 22.14  | 22.26  |                        |
| 5               | QPSK   | 12 | 13 | 22.20  | 22.26  | 22.17  | 22.28  |                        |
| 5               | QPSK   | 25 | 0  | 22.03  | 22.31  | 22.15  | 22.19  | 22.7                   |
| 5               | 16QAM  | 1  | 0  | 22.21  | 22.33  | 22.11  | 22.30  |                        |
| 5               | 16QAM  | 1  | 12 | 22.27  | 22.32  | 22.24  | 22.14  |                        |
| 5               | 16QAM  | 1  | 24 | 22.30  | 22.17  | 22.17  | 22.26  | 22.2                   |
| 5               | 16QAM  | 12 | 0  | 21.26  | 21.50  | 21.14  | 21.42  |                        |
| 5               | 16QAM  | 12 | 7  | 21.29  | 21.36  | 21.30  | 21.49  |                        |
| 5               | 16QAM  | 12 | 13 | 21.35  | 21.41  | 21.29  | 21.44  | 22.2                   |
| 5               | 16QAM  | 25 | 0  | 21.36  | 21.49  | 21.37  | 21.44  |                        |
| 5               | 64QAM  | 1  | 0  | 21.16  | 21.21  | 20.95  | 21.07  |                        |
| 5               | 64QAM  | 1  | 12 | 21.18  | 21.28  | 20.91  | 21.04  | 22.2                   |
| 5               | 64QAM  | 1  | 24 | 21.01  | 21.04  | 20.98  | 21.11  |                        |
| 5               | 64QAM  | 12 | 0  | 20.32  | 20.54  | 20.31  | 20.42  |                        |
| 5               | 64QAM  | 12 | 7  | 20.46  | 20.49  | 20.22  | 20.36  | 21.2                   |
| 5               | 64QAM  | 12 | 13 | 20.47  | 20.49  | 20.29  | 20.43  |                        |
| 5               | 64QAM  | 25 | 0  | 20.35  | 20.49  | 20.28  | 20.34  |                        |
| 5               | 256QAM | 1  | 0  | 17.71  | 17.71  | 17.51  | 17.77  | 19.2                   |
| 5               | 256QAM | 1  | 12 | 17.67  | 17.73  | 17.47  | 17.60  |                        |
| 5               | 256QAM | 1  | 24 | 17.54  | 17.87  | 17.49  | 17.55  |                        |
| 5               | 256QAM | 12 | 0  | 17.72  | 17.89  | 17.81  | 17.88  | 19.2                   |
| 5               | 256QAM | 12 | 7  | 17.85  | 17.82  | 17.60  | 17.74  |                        |
| 5               | 256QAM | 12 | 13 | 17.70  | 17.89  | 17.53  | 17.74  |                        |
| 5               | 256QAM | 25 | 0  | 17.71  | 17.76  | 17.50  | 17.89  |                        |