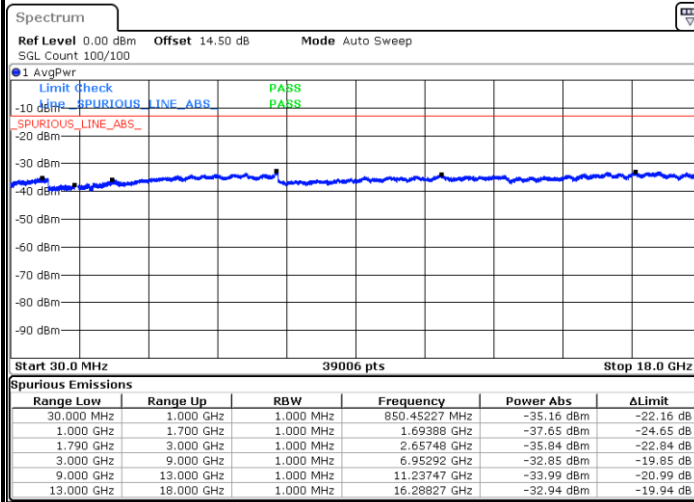




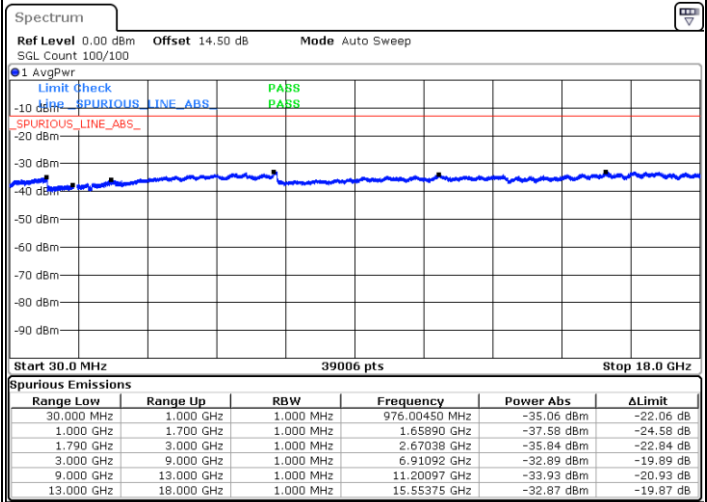
## LTE Band 66 / 3MHz

## Middle Channel / QPSK



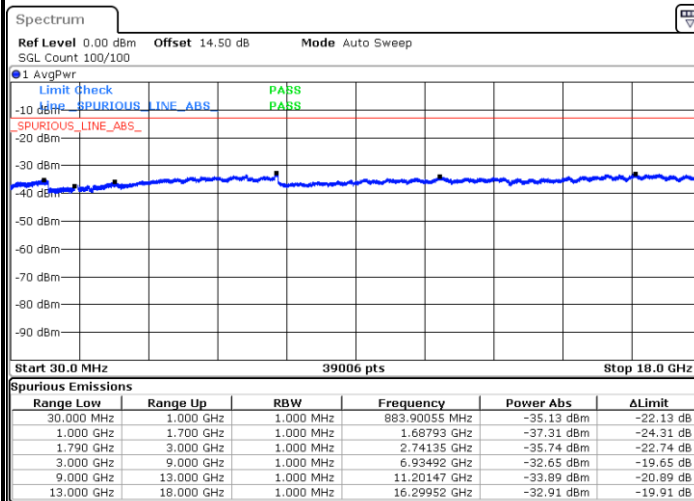
Date: 21.JUL.2019 18:37:10

## Middle Channel / 16QAM



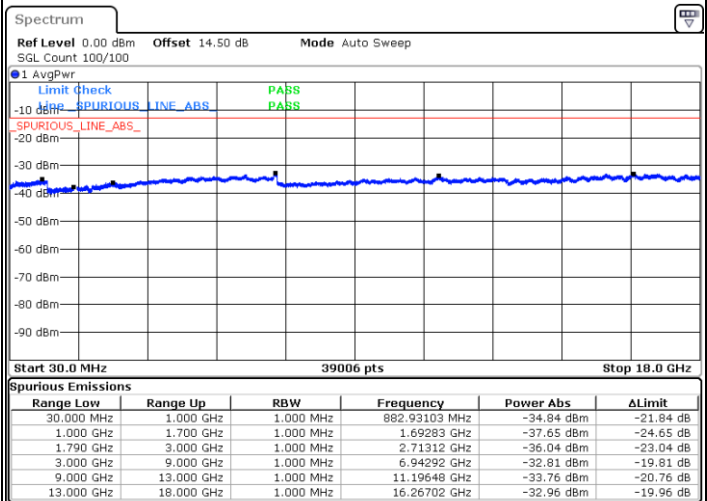
Date: 21.JUL.2019 18:39:38

## Highest Channel / QPSK



Date: 21.JUL.2019 18:27:13

## Highest Channel / 16QAM

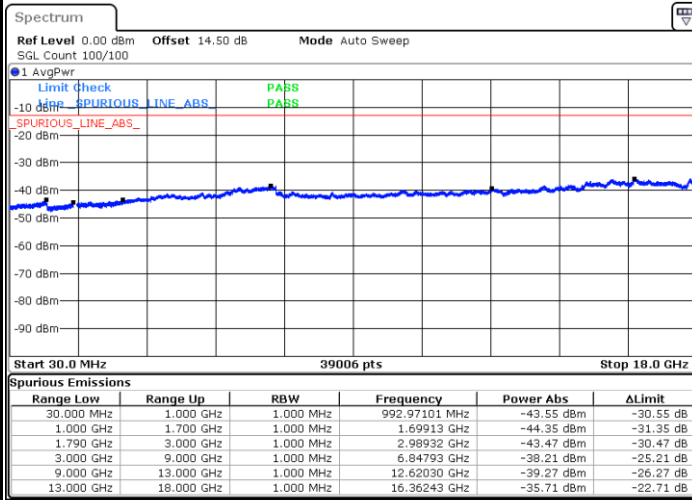


Date: 21.JUL.2019 18:29:56



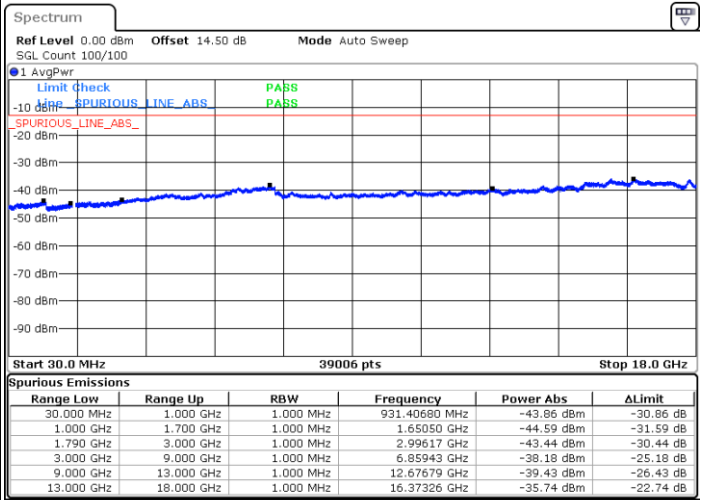
## LTE Band 66 / 5MHz

## Lowest Channel / QPSK



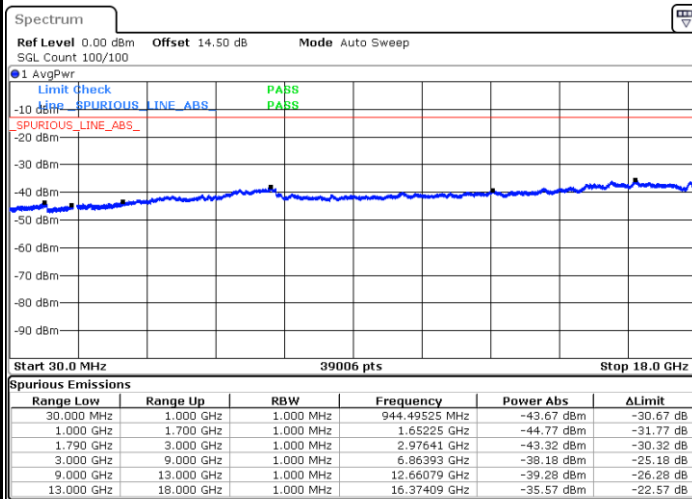
Date: 7.AUG.2019 15:01:12

## Lowest Channel / 16QAM



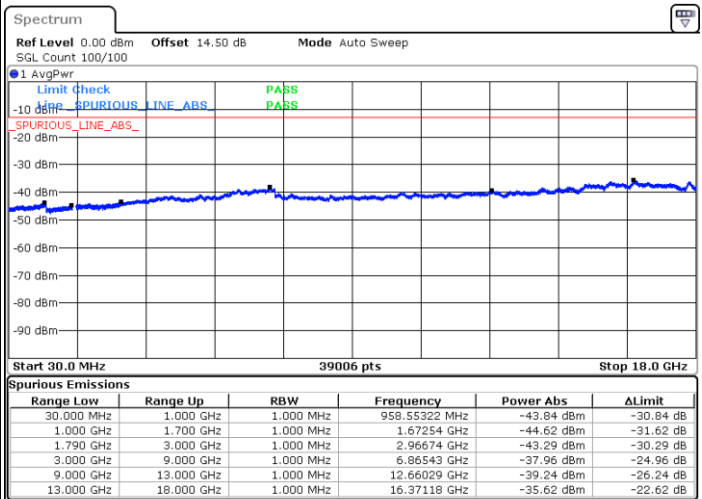
Date: 7.AUG.2019 14:59:45

## Middle Channel / QPSK



Date: 7.AUG.2019 14:42:46

## Middle Channel / 16QAM

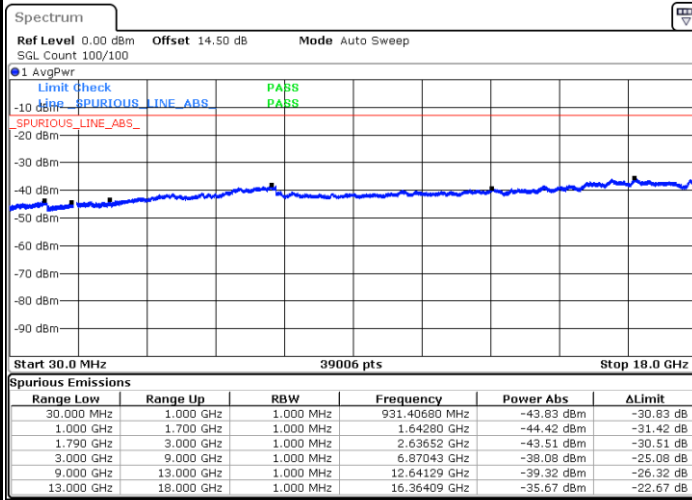


Date: 7.AUG.2019 14:45:46



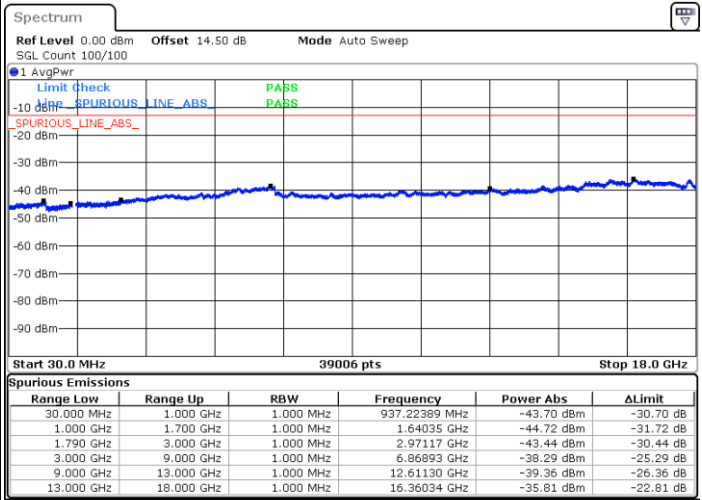
## LTE Band 66 / 5MHz

## Highest Channel / QPSK



Date: 7.AUG.2019 15:02:41

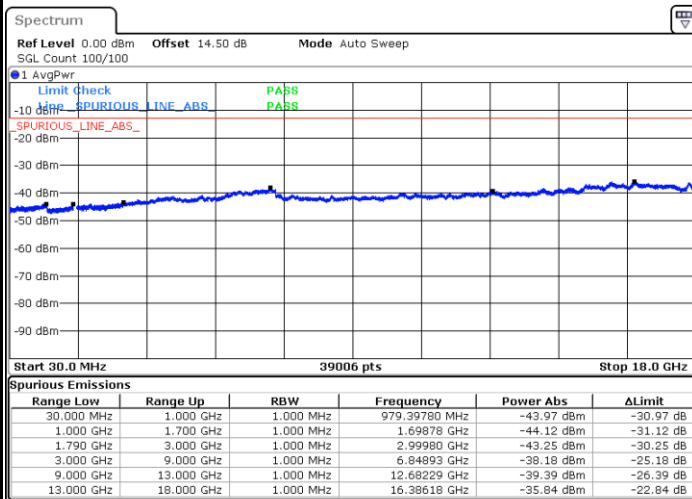
## Highest Channel / 16QAM



Date: 7.AUG.2019 15:03:32

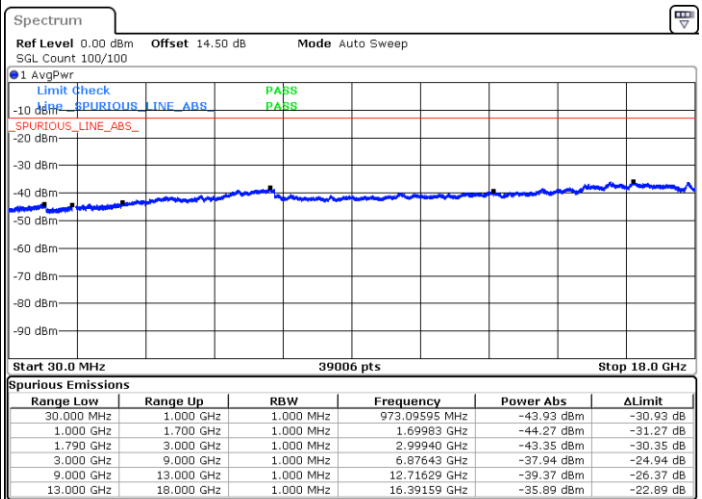
## LTE Band 66 / 10MHz

## Lowest Channel / QPSK



Date: 23.JUL.2019 15:16:41

## Lowest Channel / 16QAM

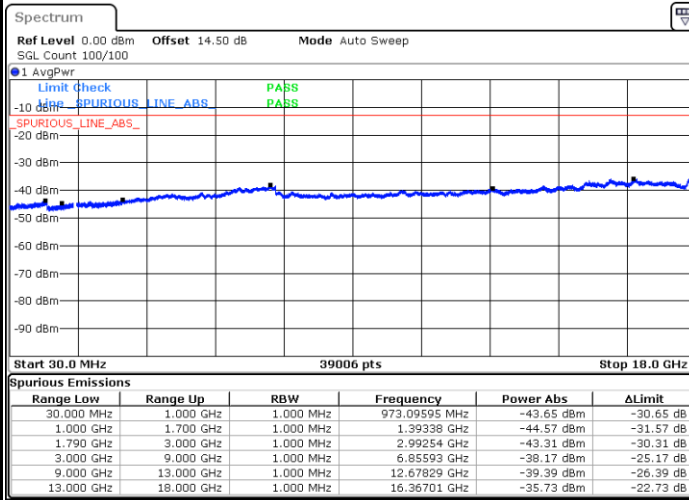


Date: 23.JUL.2019 15:15:11



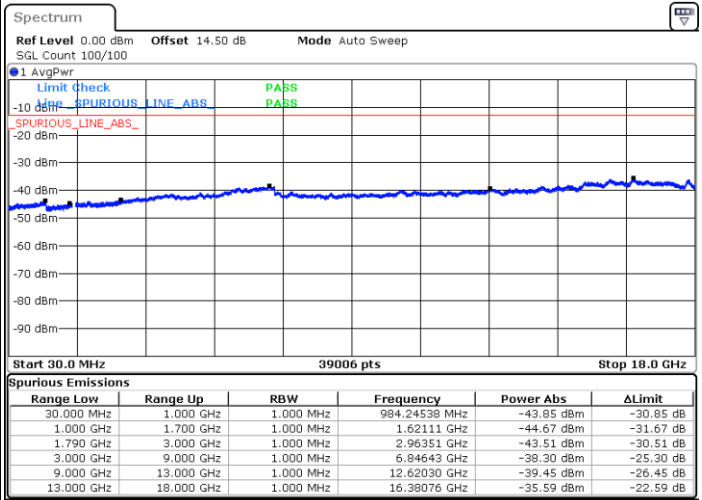
## LTE Band 66 / 10MHz

## Middle Channel / QPSK



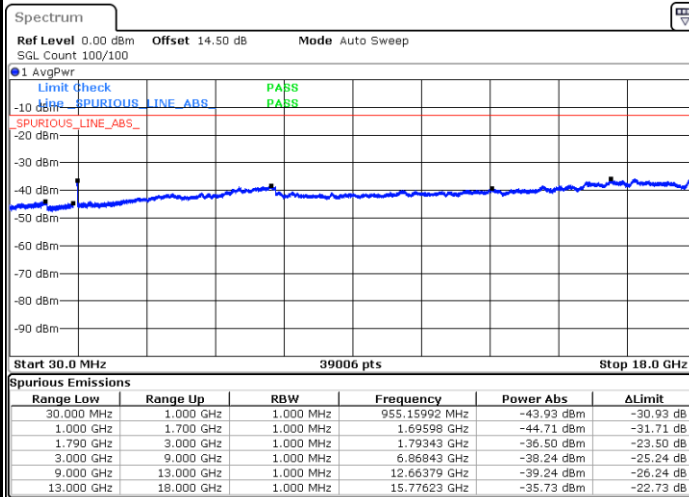
Date: 23 JUL 2019 15:24:12

## Middle Channel / 16QAM



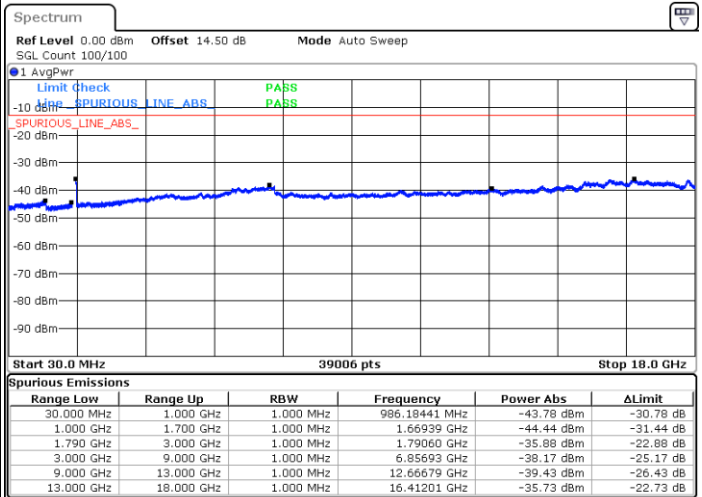
Date: 23 JUL 2019 15:25:16

## Highest Channel / QPSK



Date: 23 JUL 2019 15:36:18

## Highest Channel / 16QAM

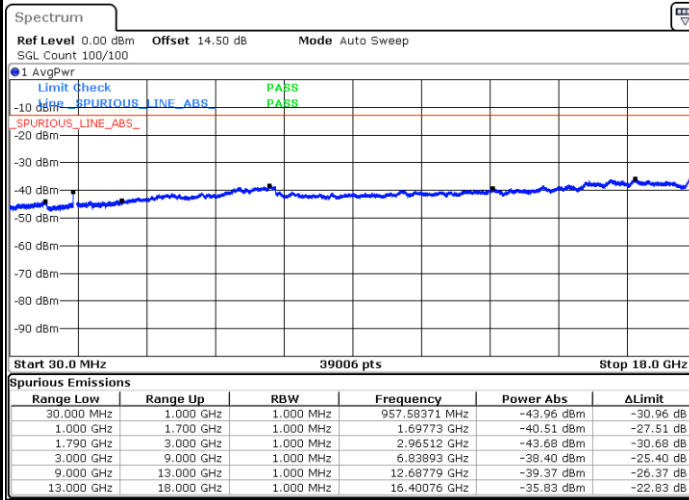


Date: 23 JUL 2019 15:37:12



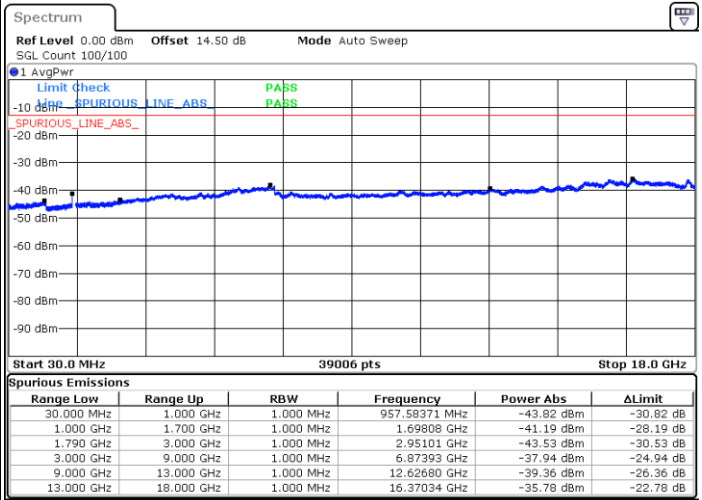
## LTE Band 66 / 15MHz

## Lowest Channel / QPSK



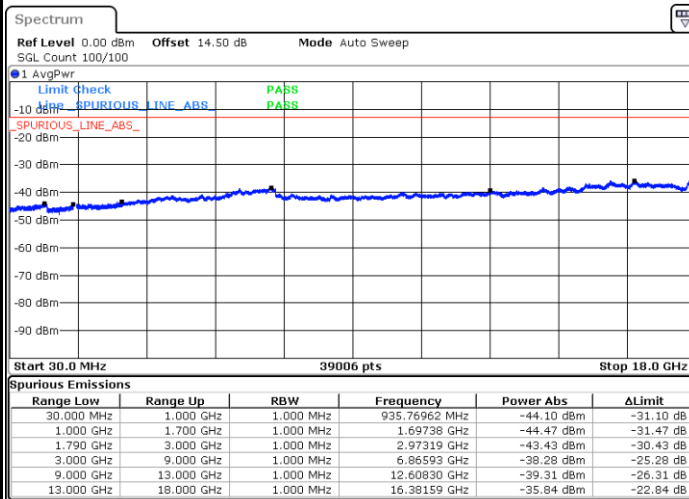
Date: 23 JUL 2019 16:09:06

## Lowest Channel / 16QAM



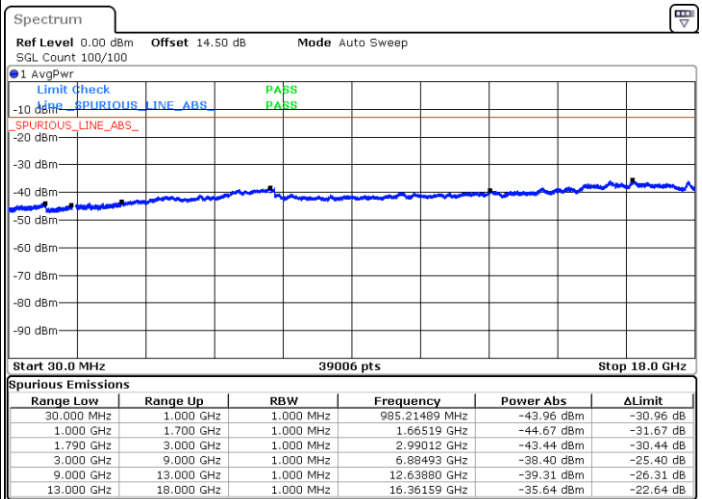
Date: 23 JUL 2019 16:07:13

## Middle Channel / QPSK



Date: 23 JUL 2019 16:14:30

## Middle Channel / 16QAM

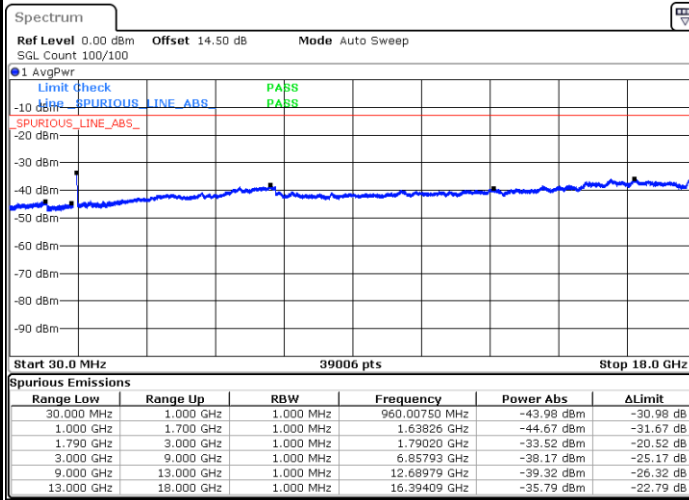


Date: 23 JUL 2019 16:16:15



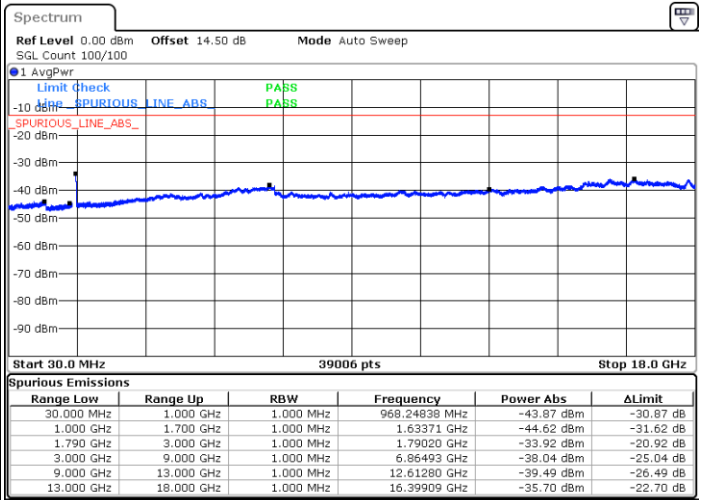
## LTE Band 66 / 15MHz

## Highest Channel / QPSK



Date: 23 JUL 2019 16:47:56

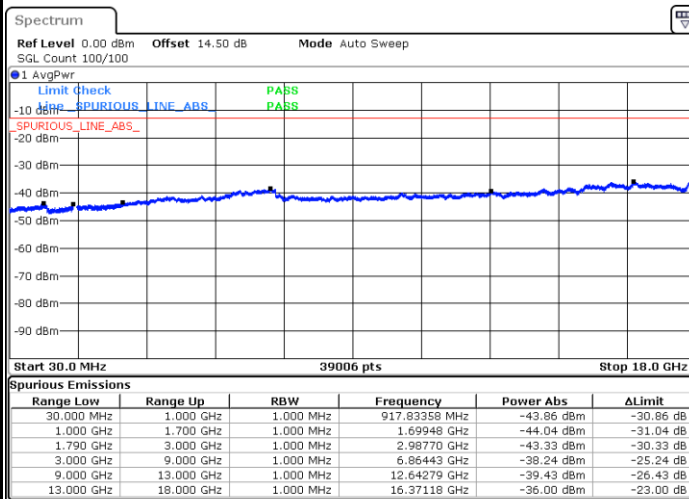
## Highest Channel / 16QAM



Date: 23 JUL 2019 16:45:20

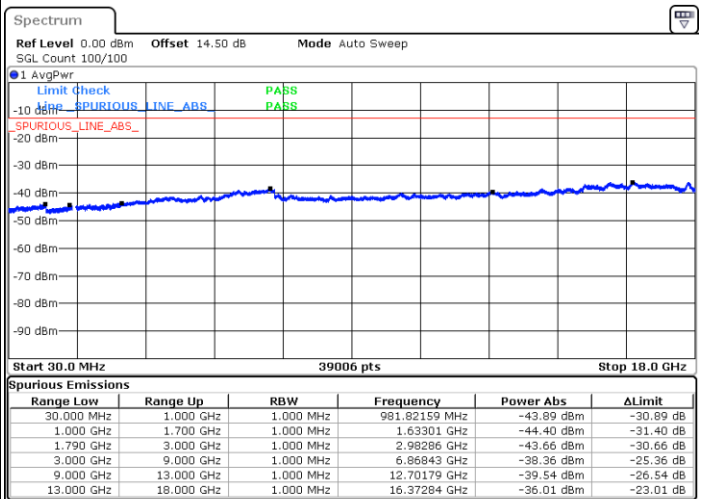
## LTE Band 66 / 20MHz

## Lowest Channel / QPSK



Date: 24 JUL 2019 11:12:52

## Lowest Channel / 16QAM

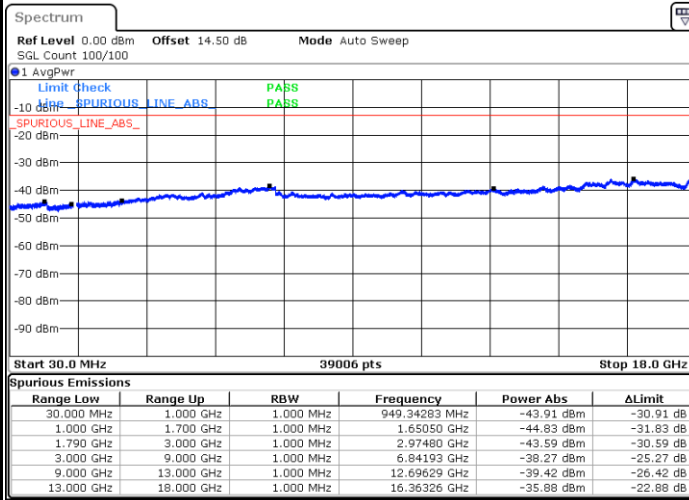


Date: 24 JUL 2019 11:11:24



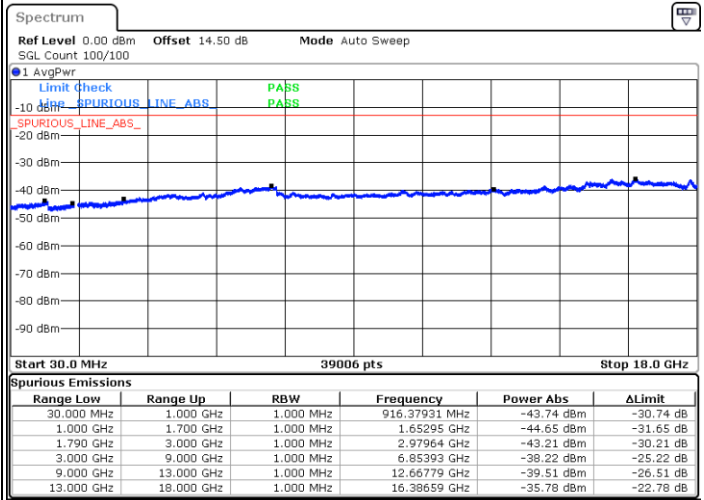
## LTE Band 66 / 20MHz

## Middle Channel / QPSK



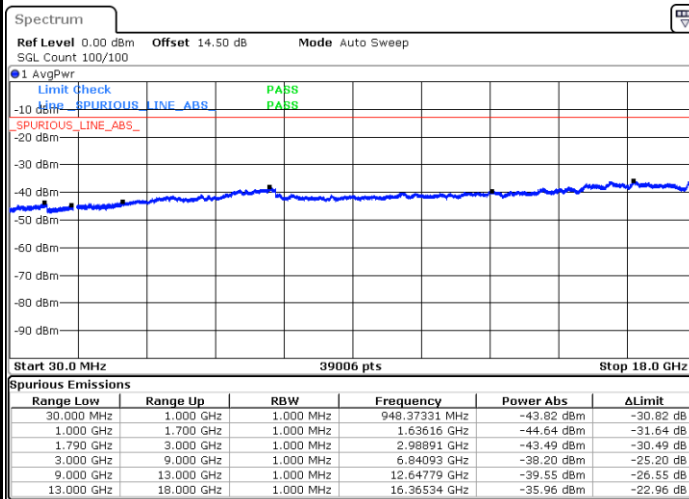
Date: 24 JUL 2019 11:15:27

## Middle Channel / 16QAM



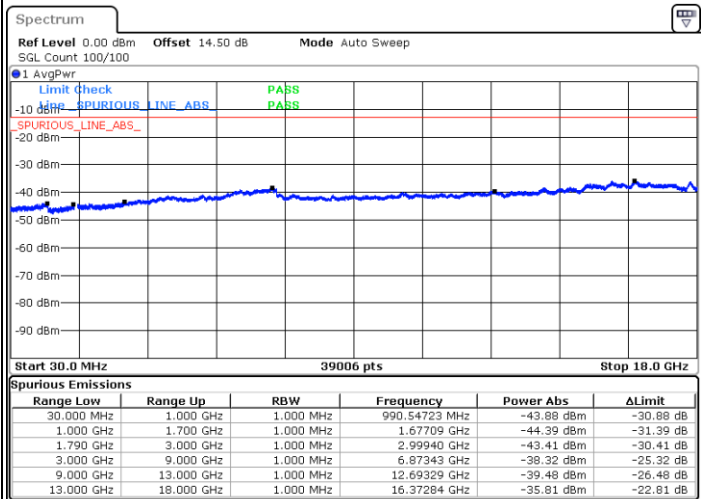
Date: 24 JUL 2019 11:16:17

## Highest Channel / QPSK



Date: 24 JUL 2019 11:35:25

## Highest Channel / 16QAM

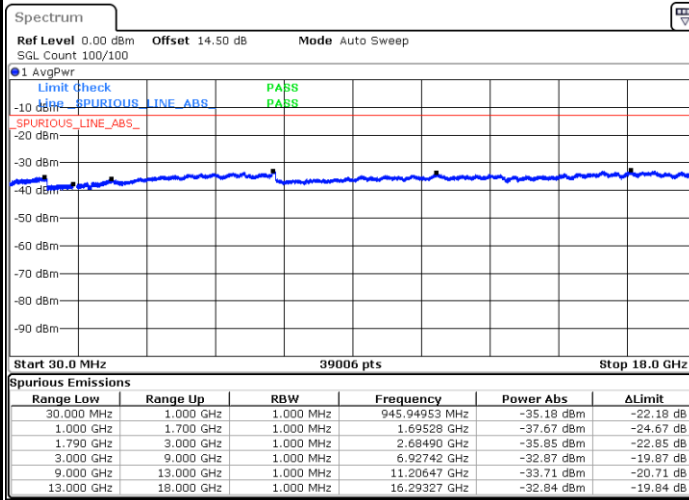


Date: 24 JUL 2019 11:34:28



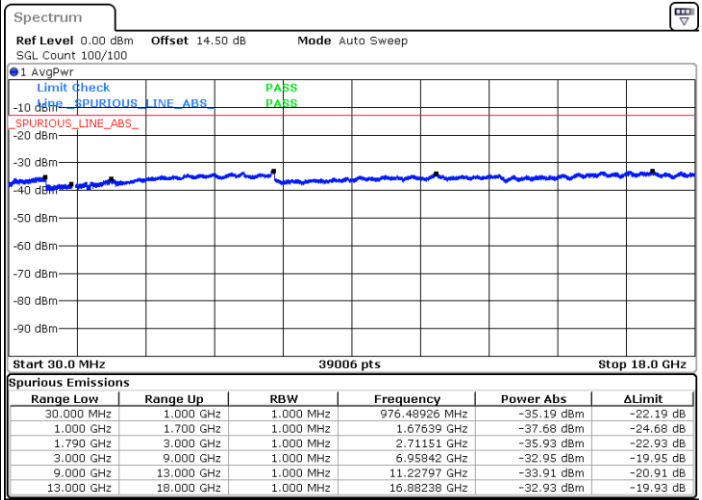
## LTE Band 66 / 1.4MHz

## Lowest Channel / 64QAM



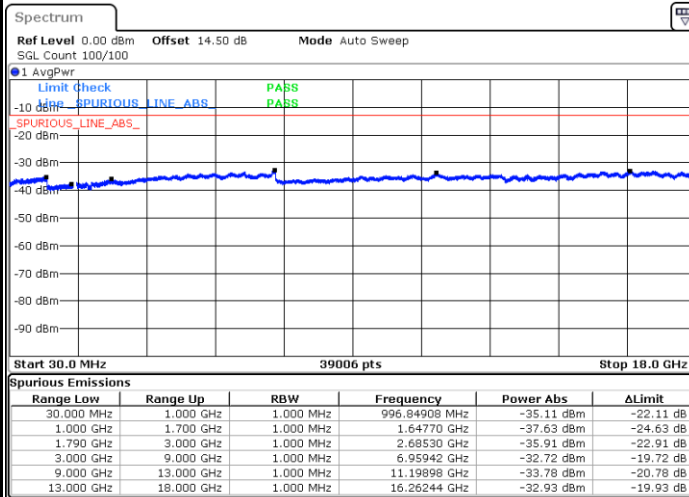
Date: 21 JUL 2019 17:02:19

## Middle Channel / 64QAM



Date: 21 JUL 2019 17:15:25

## Highest Channel / 64QAM

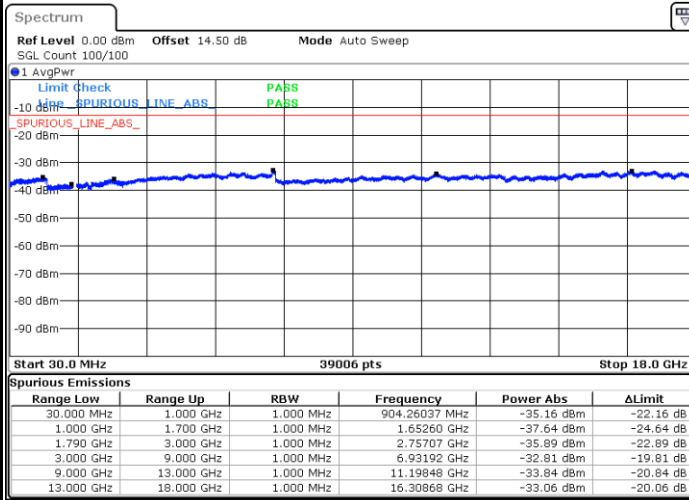


Date: 21 JUL 2019 17:38:24



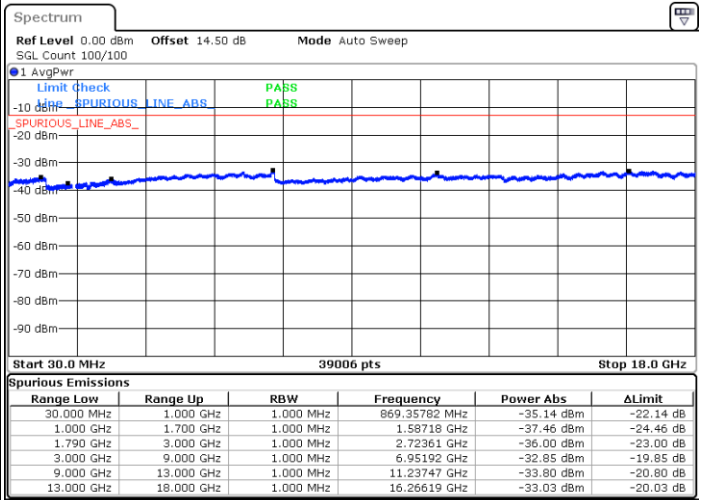
## LTE Band 66 / 3MHz

## Lowest Channel / 64QAM



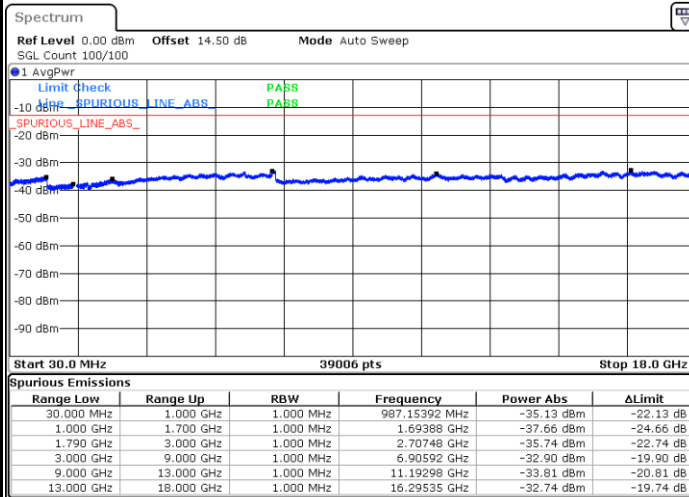
Date: 21 JUL 2019 17:49:58

## Middle Channel / 64QAM



Date: 21 JUL 2019 18:40:26

## Highest Channel / 64QAM

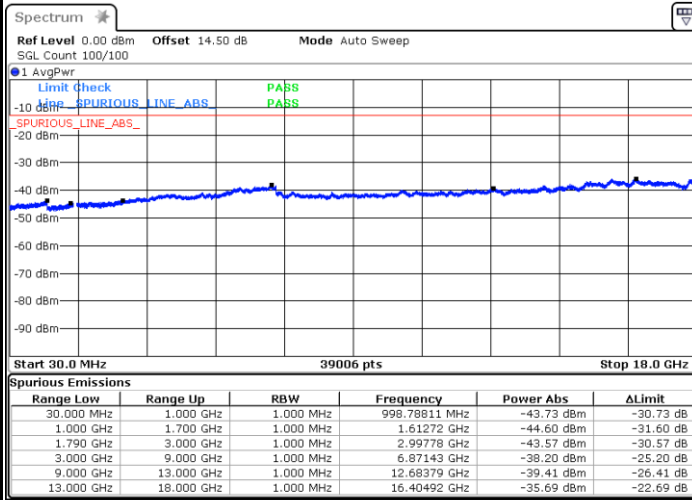


Date: 21 JUL 2019 18:33:53



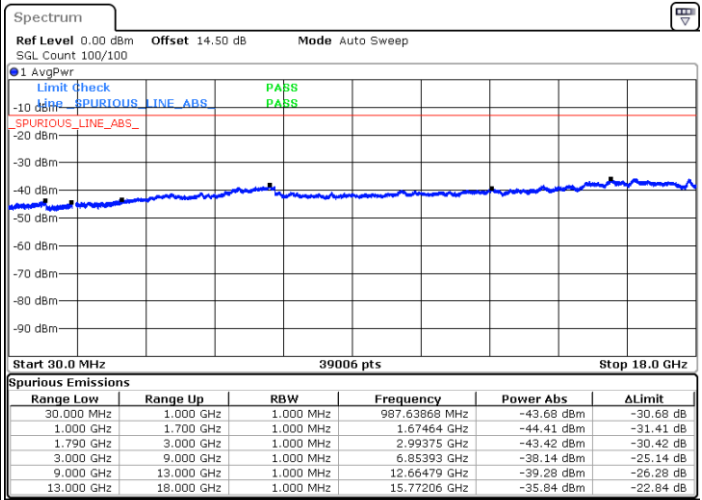
## LTE Band 66 / 5MHz

## Lowest Channel / 64QAM



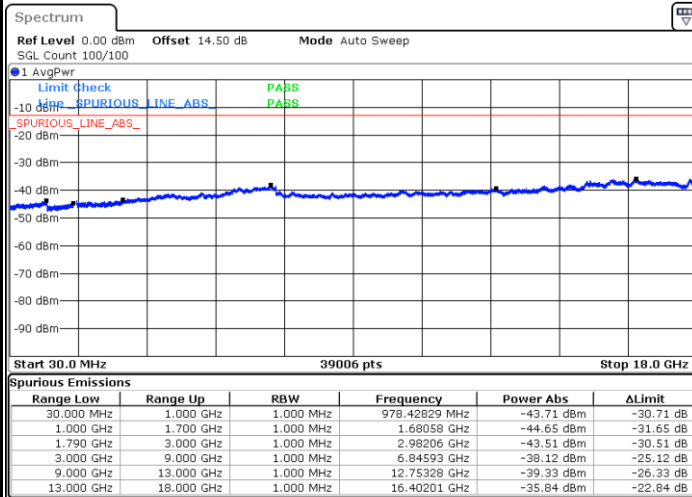
Date: 7.AUG.2019 14:58:07

## Middle Channel / 64QAM



Date: 7.AUG.2019 14:47:23

## Highest Channel / 64QAM

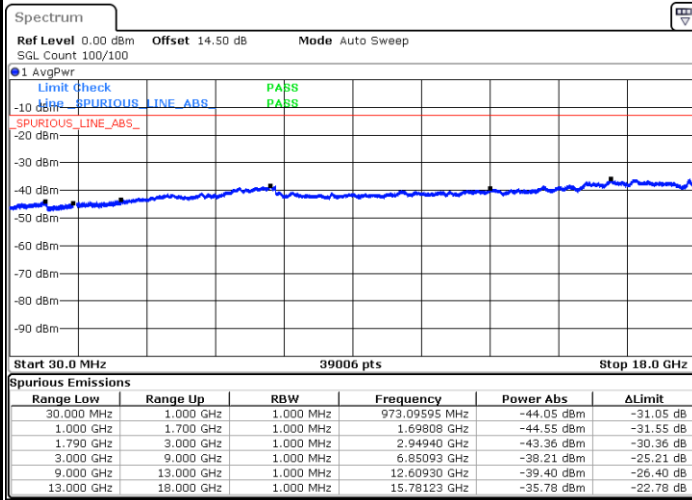


Date: 7.AUG.2019 15:04:20



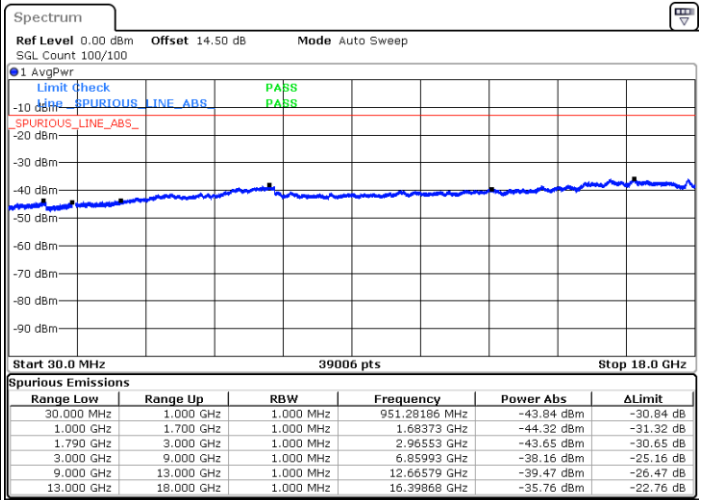
## LTE Band 66 / 10MHz

## Lowest Channel / 64QAM



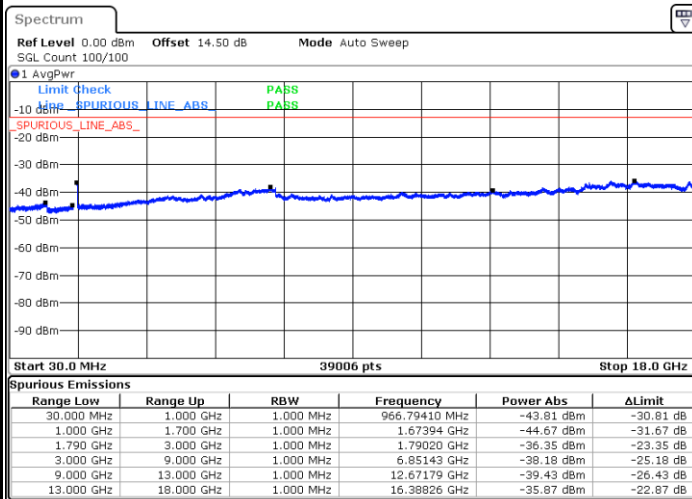
Date: 23 JUL 2019 15:14:21

## Middle Channel / 64QAM



Date: 23 JUL 2019 15:26:29

## Highest Channel / 64QAM

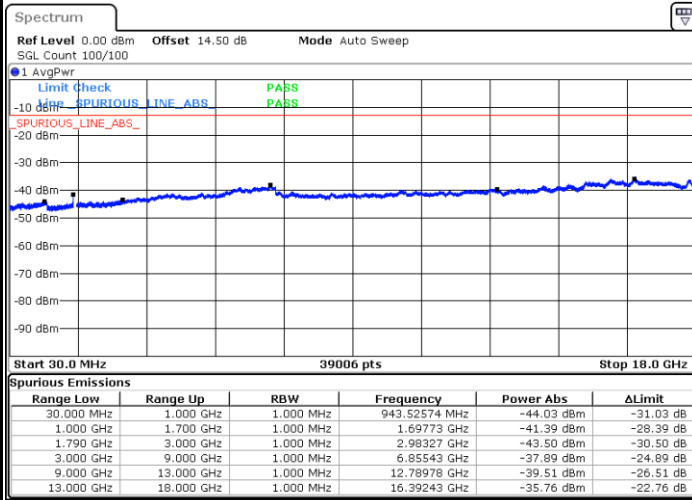


Date: 23 JUL 2019 15:39:24



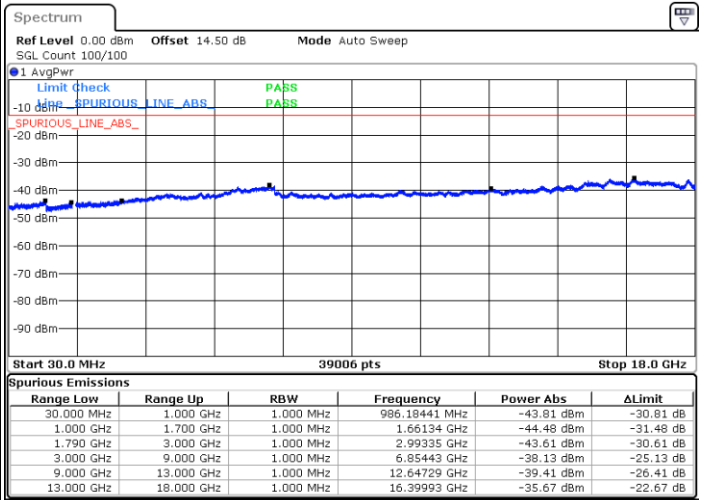
## LTE Band 66 / 15MHz

## Lowest Channel / 64QAM



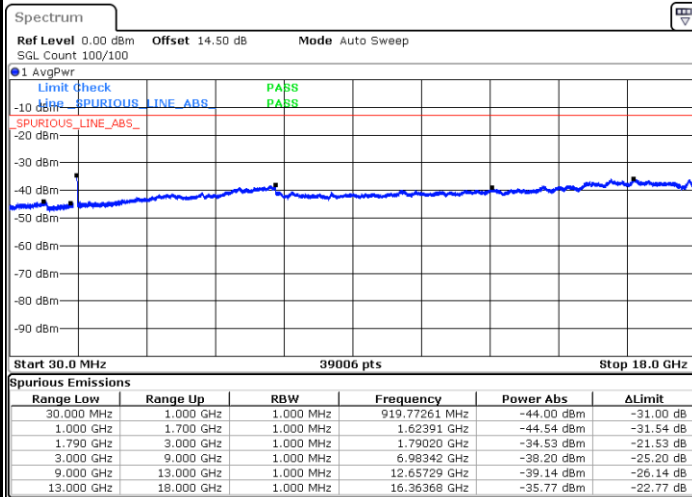
Date: 23 JUL 2019 16:06:02

## Middle Channel / 64QAM



Date: 23 JUL 2019 16:17:17

## Highest Channel / 64QAM

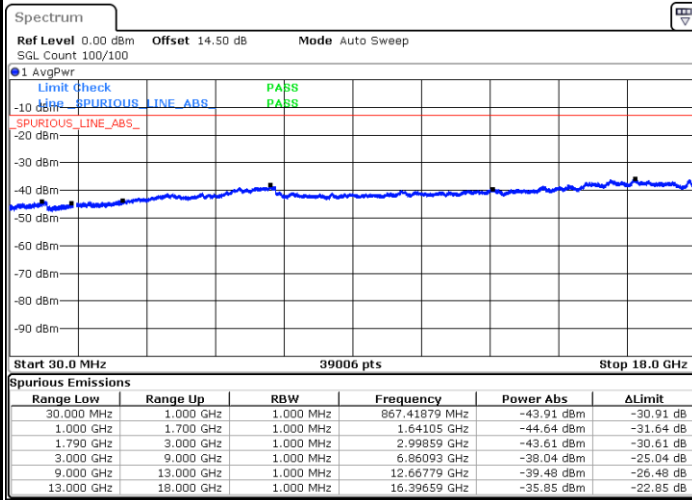


Date: 23 JUL 2019 16:43:11



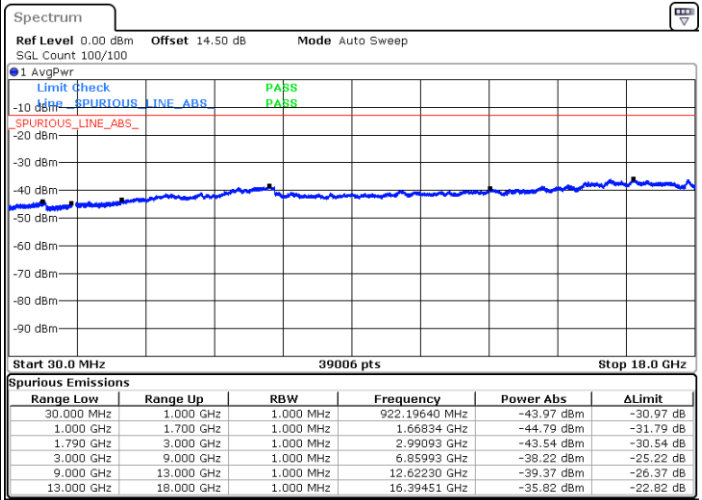
## LTE Band 66 / 20MHz

## Lowest Channel / 64QAM



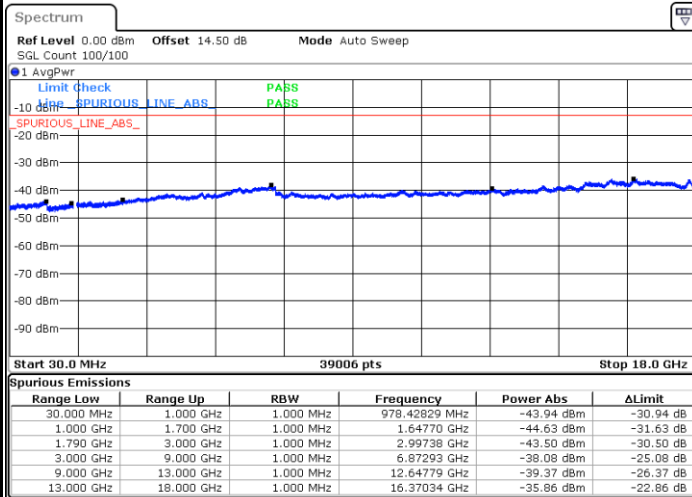
Date: 24 JUL 2019 11:10:16

## Middle Channel / 64QAM



Date: 24 JUL 2019 11:17:00

## Highest Channel / 64QAM



Date: 24 JUL 2019 11:31:57

## Frequency Stability

| Test Conditions  |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0015                             | PASS    |
| 40               | Normal Voltage    | 0.0017                             |         |
| 30               | Normal Voltage    | 0.0007                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0017                             |         |
| 0                | Normal Voltage    | 0.0013                             |         |
| -10              | Normal Voltage    | 0.0019                             |         |
| -20              | Normal Voltage    | 0.0009                             |         |
| -30              | Normal Voltage    | 0.0007                             |         |
| 20               | Maximum Voltage   | 0.0006                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0012                             |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions     |                   | LTE Band 12 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0008                              | PASS    |
| 40                  | Normal Voltage    | 0.0007                              |         |
| 30                  | Normal Voltage    | 0.0004                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0016                              |         |
| 0                   | Normal Voltage    | 0.0011                              |         |
| -10                 | Normal Voltage    | 0.0011                              |         |
| -20                 | Normal Voltage    | 0.0001                              |         |
| -30                 | Normal Voltage    | 0.0003                              |         |
| 20                  | Maximum Voltage   | 0.0006                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0007                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions  |                   | LTE Band 13 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0018                              | PASS    |
| 40               | Normal Voltage    | 0.0006                              |         |
| 30               | Normal Voltage    | 0.0010                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0004                              |         |
| 0                | Normal Voltage    | 0.0005                              |         |
| -10              | Normal Voltage    | 0.0012                              |         |
| -20              | Normal Voltage    | 0.0003                              |         |
| -30              | Normal Voltage    | 0.0003                              |         |
| 20               | Maximum Voltage   | 0.0008                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0006                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

| Test Conditions     |                   | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0010                              | PASS    |
| 40                  | Normal Voltage    | 0.0011                              |         |
| 30                  | Normal Voltage    | 0.0001                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0007                              |         |
| 0                   | Normal Voltage    | 0.0003                              |         |
| -10                 | Normal Voltage    | 0.0006                              |         |
| -20                 | Normal Voltage    | 0.0011                              |         |
| -30                 | Normal Voltage    | 0.0008                              |         |
| 20                  | Maximum Voltage   | 0.0017                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0003                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



| Test Conditions  |                   | LTE Band 66 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0004                              | PASS    |
| 40               | Normal Voltage    | 0.0003                              |         |
| 30               | Normal Voltage    | 0.0001                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0005                              |         |
| 0                | Normal Voltage    | 0.0006                              |         |
| -10              | Normal Voltage    | 0.0007                              |         |
| -20              | Normal Voltage    | 0.0007                              |         |
| -30              | Normal Voltage    | 0.0001                              |         |
| 20               | Maximum Voltage   | 0.0007                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0001                              |         |

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

#### Top Antenna

| LTE Band 4 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3420.32              | -63.98          | -13              | -50.98                  | -79.15                  | -70.86                   | 5.60                       | 12.48                       | H                     |
|                            | 5130.48              | -60.23          | -13              | -47.23                  | -80.32                  | -65.91                   | 7.10                       | 12.78                       | H                     |
|                            | 6840.64              | -52.95          | -13              | -39.95                  | -77.84                  | -56.34                   | 8.38                       | 11.77                       | H                     |
|                            | 3420.32              | -64.02          | -13              | -51.02                  | -79.23                  | -70.90                   | 5.60                       | 12.48                       | V                     |
|                            | 5130.48              | -59.90          | -13              | -46.90                  | -80.42                  | -65.58                   | 7.10                       | 12.78                       | V                     |
|                            | 6840.64              | -56.15          | -13              | -43.15                  | -81.27                  | -59.54                   | 8.38                       | 11.77                       | V                     |
| Middle                     | 3463.74              | -63.99          | -13              | -50.99                  | -79.61                  | -70.84                   | 5.65                       | 12.50                       | H                     |
|                            | 5195.61              | -60.84          | -13              | -47.84                  | -81.01                  | -66.51                   | 7.13                       | 12.80                       | H                     |
|                            | 6927.48              | -50.32          | -13              | -37.32                  | -75.62                  | -53.72                   | 8.40                       | 11.80                       | H                     |
|                            | 3463.74              | -63.88          | -13              | -50.88                  | -79.53                  | -70.73                   | 5.65                       | 12.50                       | V                     |
|                            | 5195.61              | -59.96          | -13              | -46.96                  | -80.58                  | -65.63                   | 7.13                       | 12.80                       | V                     |
|                            | 6927.48              | -55.47          | -13              | -42.47                  | -80.88                  | -58.87                   | 8.40                       | 11.80                       | V                     |
| Highest                    | 3507.52              | -63.52          | -13              | -50.52                  | -79.58                  | -70.36                   | 5.68                       | 12.52                       | H                     |
|                            | 5261.28              | -61.30          | -13              | -48.30                  | -81.03                  | -66.97                   | 7.15                       | 12.82                       | H                     |
|                            | 7015.04              | -48.30          | -13              | -35.30                  | -73.95                  | -51.73                   | 8.42                       | 11.85                       | H                     |
|                            | 3507.52              | -63.55          | -13              | -50.55                  | -79.64                  | -70.39                   | 5.68                       | 12.52                       | V                     |
|                            | 5261.28              | -61.56          | -13              | -48.56                  | -81.34                  | -67.23                   | 7.15                       | 12.82                       | V                     |
|                            | 7015.04              | -53.86          | -13              | -40.86                  | -79.61                  | -57.29                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 3MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                   | 3420.48           | -64.46       | -13           | -51.46            | -79.63            | -71.34             | 5.60                 | 12.48                 | H                  |
|                          | 5130.72           | -60.56       | -13           | -47.56            | -80.65            | -66.24             | 7.10                 | 12.78                 | H                  |
|                          | 6840.96           | -53.81       | -13           | -40.81            | -78.70            | -57.20             | 8.38                 | 11.77                 | H                  |
|                          | 3420.48           | -64.36       | -13           | -51.36            | -79.57            | -71.24             | 5.60                 | 12.48                 | V                  |
|                          | 5130.72           | -60.08       | -13           | -47.08            | -80.6             | -65.76             | 7.10                 | 12.78                 | V                  |
|                          | 6840.96           | -55.96       | -13           | -42.96            | -81.08            | -59.35             | 8.38                 | 11.77                 | V                  |
| Middle                   | 3462.48           | -64.32       | -13           | -51.32            | -79.94            | -71.17             | 5.65                 | 12.50                 | H                  |
|                          | 5193.72           | -60.85       | -13           | -47.85            | -81.02            | -66.52             | 7.13                 | 12.80                 | H                  |
|                          | 6924.96           | -51.00       | -13           | -38.00            | -76.30            | -54.40             | 8.40                 | 11.80                 | H                  |
|                          | 3462.48           | -64.24       | -13           | -51.24            | -79.89            | -71.09             | 5.65                 | 12.50                 | V                  |
|                          | 5193.72           | -60.61       | -13           | -47.61            | -81.23            | -66.28             | 7.13                 | 12.80                 | V                  |
|                          | 6924.96           | -56.20       | -13           | -43.20            | -81.61            | -59.60             | 8.40                 | 11.80                 | V                  |
| Highest                  | 3504.48           | -64.10       | -13           | -51.10            | -80.01            | -70.94             | 5.68                 | 12.52                 | H                  |
|                          | 5256.72           | -61.62       | -13           | -48.62            | -81.26            | -67.29             | 7.15                 | 12.82                 | H                  |
|                          | 7008.96           | -48.52       | -13           | -35.52            | -74.11            | -51.95             | 8.42                 | 11.85                 | H                  |
|                          | 3504.48           | -64.00       | -13           | -51.00            | -79.94            | -70.84             | 5.68                 | 12.52                 | V                  |
|                          | 5256.72           | -61.65       | -13           | -48.65            | -81.3             | -67.32             | 7.15                 | 12.82                 | V                  |
|                          | 7008.96           | -55.20       | -13           | -42.20            | -80.81            | -58.63             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 3420.68              | -64.32          | -13              | -51.32                  | -79.49                  | -71.20                   | 5.60                       | 12.48                       | H                     |
|                          | 5131.02              | -60.78          | -13              | -47.78                  | -80.87                  | -66.46                   | 7.10                       | 12.78                       | H                     |
|                          | 6841.36              | -52.88          | -13              | -39.88                  | -77.77                  | -56.27                   | 8.38                       | 11.77                       | H                     |
|                          | 3420.68              | -64.25          | -13              | -51.25                  | -79.46                  | -71.13                   | 5.60                       | 12.48                       | V                     |
|                          | 5131.02              | -60.45          | -13              | -47.45                  | -80.97                  | -66.13                   | 7.10                       | 12.78                       | V                     |
|                          | 6841.36              | -56.25          | -13              | -43.25                  | -81.37                  | -59.64                   | 8.38                       | 11.77                       | V                     |
| Middle                   | 3460.68              | -64.28          | -13              | -51.28                  | -79.90                  | -71.13                   | 5.65                       | 12.50                       | H                     |
|                          | 5191.02              | -60.96          | -13              | -47.96                  | -81.13                  | -66.63                   | 7.13                       | 12.80                       | H                     |
|                          | 6921.36              | -51.69          | -13              | -38.69                  | -76.90                  | -55.09                   | 8.40                       | 11.80                       | H                     |
|                          | 3460.68              | -64.41          | -13              | -51.41                  | -80.06                  | -71.26                   | 5.65                       | 12.50                       | V                     |
|                          | 5191.02              | -60.06          | -13              | -47.06                  | -80.68                  | -65.73                   | 7.13                       | 12.80                       | V                     |
|                          | 6921.36              | -55.98          | -13              | -42.98                  | -81.33                  | -59.38                   | 8.40                       | 11.80                       | V                     |
| Highest                  | 3500.68              | -63.94          | -13              | -50.94                  | -79.85                  | -70.78                   | 5.68                       | 12.52                       | H                     |
|                          | 5251.02              | -61.45          | -13              | -48.45                  | -81.09                  | -67.12                   | 7.15                       | 12.82                       | H                     |
|                          | 7001.36              | -48.64          | -13              | -35.64                  | -74.26                  | -52.07                   | 8.42                       | 11.85                       | H                     |
|                          | 3500.68              | -64.20          | -13              | -51.20                  | -80.14                  | -71.04                   | 5.68                       | 12.52                       | V                     |
|                          | 5251.02              | -61.78          | -13              | -48.78                  | -81.43                  | -67.45                   | 7.15                       | 12.82                       | V                     |
|                          | 7001.36              | -55.09          | -13              | -42.09                  | -80.73                  | -58.52                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3421.18           | -64.05       | -13           | -51.05            | -79.22            | -70.93             | 5.60                 | 12.48                 | H                  |
|                           | 5131.77           | -60.27       | -13           | -47.27            | -80.36            | -65.95             | 7.10                 | 12.78                 | H                  |
|                           | 6842.36           | -53.32       | -13           | -40.32            | -78.21            | -56.71             | 8.38                 | 11.77                 | H                  |
|                           | 3421.18           | -64.29       | -13           | -51.29            | -79.5             | -71.17             | 5.60                 | 12.48                 | V                  |
|                           | 5131.77           | -59.93       | -13           | -46.93            | -80.45            | -65.61             | 7.10                 | 12.78                 | V                  |
|                           | 6842.36           | -56.16       | -13           | -43.16            | -81.28            | -59.55             | 8.38                 | 11.77                 | V                  |
| Middle                    | 3456.18           | -64.03       | -13           | -51.03            | -79.50            | -70.88             | 5.65                 | 12.50                 | H                  |
|                           | 5184.27           | -60.52       | -13           | -47.52            | -80.67            | -66.19             | 7.13                 | 12.80                 | H                  |
|                           | 6912.36           | -50.68       | -13           | -37.68            | -75.89            | -54.08             | 8.40                 | 11.80                 | H                  |
|                           | 3456.18           | -63.92       | -13           | -50.92            | -79.42            | -70.77             | 5.65                 | 12.50                 | V                  |
|                           | 5184.27           | -60.08       | -13           | -47.08            | -80.68            | -65.75             | 7.13                 | 12.80                 | V                  |
|                           | 6912.36           | -55.68       | -13           | -42.68            | -81.03            | -59.08             | 8.40                 | 11.80                 | V                  |
| Highest                   | 3491.18           | -64.14       | -13           | -51.14            | -80.05            | -70.98             | 5.68                 | 12.52                 | H                  |
|                           | 5236.77           | -61.39       | -13           | -48.39            | -81.21            | -67.06             | 7.15                 | 12.82                 | H                  |
|                           | 6982.36           | -48.94       | -13           | -35.94            | -74.47            | -52.37             | 8.42                 | 11.85                 | H                  |
|                           | 3491.18           | -63.98       | -13           | -50.98            | -79.92            | -70.82             | 5.68                 | 12.52                 | V                  |
|                           | 5236.77           | -61.32       | -13           | -48.32            | -81.3             | -66.99             | 7.15                 | 12.82                 | V                  |
|                           | 6982.36           | -55.61       | -13           | -42.61            | -81.18            | -59.04             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 15MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3421.68              | -64.22          | -13              | -51.22                  | -79.39                  | -71.10                   | 5.60                       | 12.48                       | H                     |
|                           | 5132.52              | -60.56          | -13              | -47.56                  | -80.65                  | -66.24                   | 7.10                       | 12.78                       | H                     |
|                           | 6843.36              | -53.56          | -13              | -40.56                  | -78.45                  | -56.95                   | 8.38                       | 11.77                       | H                     |
|                           | 3421.68              | -64.24          | -13              | -51.24                  | -79.45                  | -71.12                   | 5.60                       | 12.48                       | V                     |
|                           | 5132.52              | -60.25          | -13              | -47.25                  | -80.77                  | -65.93                   | 7.10                       | 12.78                       | V                     |
|                           | 6843.36              | -56.39          | -13              | -43.39                  | -81.51                  | -59.78                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3451.68              | -64.36          | -13              | -51.36                  | -79.83                  | -71.21                   | 5.65                       | 12.50                       | H                     |
|                           | 5177.52              | -60.81          | -13              | -47.81                  | -80.96                  | -66.48                   | 7.13                       | 12.80                       | H                     |
|                           | 6903.36              | -51.61          | -13              | -38.61                  | -76.73                  | -55.01                   | 8.40                       | 11.80                       | H                     |
|                           | 3451.68              | -64.02          | -13              | -51.02                  | -79.52                  | -70.87                   | 5.65                       | 12.50                       | V                     |
|                           | 5177.52              | -60.24          | -13              | -47.24                  | -80.84                  | -65.91                   | 7.13                       | 12.80                       | V                     |
|                           | 6903.36              | -56.22          | -13              | -43.22                  | -81.5                   | -59.62                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3481.68              | -64.28          | -13              | -51.28                  | -80.04                  | -71.12                   | 5.68                       | 12.52                       | H                     |
|                           | 5222.52              | -60.90          | -13              | -47.90                  | -80.90                  | -66.57                   | 7.15                       | 12.82                       | H                     |
|                           | 6963.36              | -47.49          | -13              | -34.49                  | -72.94                  | -50.92                   | 8.42                       | 11.85                       | H                     |
|                           | 3481.68              | -64.24          | -13              | -51.24                  | -80.04                  | -71.08                   | 5.68                       | 12.52                       | V                     |
|                           | 5222.52              | -61.25          | -13              | -48.25                  | -81.55                  | -66.92                   | 7.15                       | 12.82                       | V                     |
|                           | 6963.36              | -54.95          | -13              | -41.95                  | -80.47                  | -58.38                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3422.18              | -64.36          | -13              | -51.36                  | -79.53                  | -71.24                   | 5.60                       | 12.48                       | H                     |
|                           | 5133.27              | -60.47          | -13              | -47.47                  | -80.56                  | -66.15                   | 7.10                       | 12.78                       | H                     |
|                           | 6844.36              | -52.28          | -13              | -39.28                  | -77.17                  | -55.67                   | 8.38                       | 11.77                       | H                     |
|                           | 3422.18              | -64.28          | -13              | -51.28                  | -79.49                  | -71.16                   | 5.60                       | 12.48                       | V                     |
|                           | 5133.27              | -60.29          | -13              | -47.29                  | -80.81                  | -65.97                   | 7.10                       | 12.78                       | V                     |
|                           | 6844.36              | -56.45          | -13              | -43.45                  | -81.57                  | -59.84                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3447.18              | -64.16          | -13              | -51.16                  | -79.63                  | -71.01                   | 5.65                       | 12.50                       | H                     |
|                           | 5170.77              | -60.56          | -13              | -47.56                  | -80.69                  | -66.23                   | 7.13                       | 12.80                       | H                     |
|                           | 6894.36              | -52.29          | -13              | -39.29                  | -77.42                  | -55.69                   | 8.40                       | 11.80                       | H                     |
|                           | 3447.18              | -64.11          | -13              | -51.11                  | -79.61                  | -70.96                   | 5.65                       | 12.50                       | V                     |
|                           | 5170.77              | -59.80          | -13              | -46.80                  | -80.38                  | -65.47                   | 7.13                       | 12.80                       | V                     |
|                           | 6894.36              | -55.75          | -13              | -42.75                  | -81.04                  | -59.15                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3472.18              | -64.35          | -13              | -51.35                  | -79.97                  | -71.19                   | 5.68                       | 12.52                       | H                     |
|                           | 5208.27              | -60.92          | -13              | -47.92                  | -80.91                  | -66.59                   | 7.15                       | 12.82                       | H                     |
|                           | 6944.36              | -49.63          | -13              | -36.63                  | -75.00                  | -53.06                   | 8.42                       | 11.85                       | H                     |
|                           | 3472.18              | -63.99          | -13              | -50.99                  | -79.64                  | -70.83                   | 5.68                       | 12.52                       | V                     |
|                           | 5208.27              | -60.53          | -13              | -47.53                  | -80.82                  | -66.20                   | 7.15                       | 12.82                       | V                     |
|                           | 6944.36              | -55.77          | -13              | -42.77                  | -81.23                  | -59.20                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## Bottom Antenna

| LTE Band 4 / 1.4MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 3420.32           | -64.28       | -13           | -51.28            | -79.45            | -71.16             | 5.60                 | 12.48                 | H                  |
|                            | 5130.48           | -60.67       | -13           | -47.67            | -80.76            | -66.35             | 7.10                 | 12.78                 | H                  |
|                            | 6840.64           | -53.61       | -13           | -40.61            | -78.50            | -57.00             | 8.38                 | 11.77                 | H                  |
|                            | 3420.32           | -63.90       | -13           | -50.90            | -79.11            | -70.78             | 5.60                 | 12.48                 | V                  |
|                            | 5130.48           | -60.13       | -13           | -47.13            | -80.65            | -65.81             | 7.10                 | 12.78                 | V                  |
|                            | 6840.64           | -56.36       | -13           | -43.36            | -81.48            | -59.75             | 8.38                 | 11.77                 | V                  |
| Middle                     | 3463.74           | -64.02       | -13           | -51.02            | -79.64            | -70.87             | 5.65                 | 12.50                 | H                  |
|                            | 5195.61           | -60.72       | -13           | -47.72            | -80.89            | -66.39             | 7.13                 | 12.80                 | H                  |
|                            | 6927.48           | -50.43       | -13           | -37.43            | -75.73            | -53.83             | 8.40                 | 11.80                 | H                  |
|                            | 3463.74           | -64.04       | -13           | -51.04            | -79.69            | -70.89             | 5.65                 | 12.50                 | V                  |
|                            | 5195.61           | -60.23       | -13           | -47.23            | -80.85            | -65.90             | 7.13                 | 12.80                 | V                  |
|                            | 6927.48           | -55.74       | -13           | -42.74            | -81.15            | -59.14             | 8.40                 | 11.80                 | V                  |
| Highest                    | 3507.52           | -63.73       | -13           | -50.73            | -79.79            | -70.57             | 5.68                 | 12.52                 | H                  |
|                            | 5261.28           | -61.66       | -13           | -48.66            | -81.39            | -67.33             | 7.15                 | 12.82                 | H                  |
|                            | 7015.04           | -47.66       | -13           | -34.66            | -73.31            | -51.09             | 8.42                 | 11.85                 | H                  |
|                            | 3507.52           | -63.44       | -13           | -50.44            | -79.53            | -70.28             | 5.68                 | 12.52                 | V                  |
|                            | 5261.28           | -61.64       | -13           | -48.64            | -81.42            | -67.31             | 7.15                 | 12.82                 | V                  |
|                            | 7015.04           | -54.86       | -13           | -41.86            | -80.61            | -58.29             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 3MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 3420.48              | -64.24          | -13              | -51.24                  | -79.41                  | -71.12                   | 5.60                       | 12.48                       | H                     |
|                          | 5130.72              | -60.51          | -13              | -47.51                  | -80.60                  | -66.19                   | 7.10                       | 12.78                       | H                     |
|                          | 6840.96              | -54.42          | -13              | -41.42                  | -79.31                  | -57.81                   | 8.38                       | 11.77                       | H                     |
|                          | 3420.48              | -63.75          | -13              | -50.75                  | -78.96                  | -70.63                   | 5.60                       | 12.48                       | V                     |
|                          | 5130.72              | -60.08          | -13              | -47.08                  | -80.6                   | -65.76                   | 7.10                       | 12.78                       | V                     |
|                          | 6840.96              | -56.27          | -13              | -43.27                  | -81.39                  | -59.66                   | 8.38                       | 11.77                       | V                     |
| Middle                   | 3462.48              | -63.67          | -13              | -50.67                  | -79.29                  | -70.52                   | 5.65                       | 12.50                       | H                     |
|                          | 5193.72              | -60.83          | -13              | -47.83                  | -81.00                  | -66.50                   | 7.13                       | 12.80                       | H                     |
|                          | 6924.96              | -50.81          | -13              | -37.81                  | -76.11                  | -54.21                   | 8.40                       | 11.80                       | H                     |
|                          | 3462.48              | -64.09          | -13              | -51.09                  | -79.74                  | -70.94                   | 5.65                       | 12.50                       | V                     |
|                          | 5193.72              | -60.29          | -13              | -47.29                  | -80.91                  | -65.96                   | 7.13                       | 12.80                       | V                     |
|                          | 6924.96              | -55.37          | -13              | -42.37                  | -80.78                  | -58.77                   | 8.40                       | 11.80                       | V                     |
| Highest                  | 3504.48              | -64.01          | -13              | -51.01                  | -79.92                  | -70.85                   | 5.68                       | 12.52                       | H                     |
|                          | 5256.72              | -61.55          | -13              | -48.55                  | -81.19                  | -67.22                   | 7.15                       | 12.82                       | H                     |
|                          | 7008.96              | -48.02          | -13              | -35.02                  | -73.61                  | -51.45                   | 8.42                       | 11.85                       | H                     |
|                          | 3504.48              | -64.06          | -13              | -51.06                  | -80                     | -70.90                   | 5.68                       | 12.52                       | V                     |
|                          | 5256.72              | -61.69          | -13              | -48.69                  | -81.34                  | -67.36                   | 7.15                       | 12.82                       | V                     |
|                          | 7008.96              | -54.34          | -13              | -41.34                  | -79.95                  | -57.77                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                   | 3420.68              | -63.94          | -13              | -50.94                  | -79.11                  | -70.82                   | 5.60                       | 12.48                       | H                     |
|                          | 5131.02              | -60.50          | -13              | -47.50                  | -80.59                  | -66.18                   | 7.10                       | 12.78                       | H                     |
|                          | 6841.36              | -53.15          | -13              | -40.15                  | -78.04                  | -56.54                   | 8.38                       | 11.77                       | H                     |
|                          | 3420.68              | -63.83          | -13              | -50.83                  | -79.04                  | -70.71                   | 5.60                       | 12.48                       | V                     |
|                          | 5131.02              | -60.23          | -13              | -47.23                  | -80.75                  | -65.91                   | 7.10                       | 12.78                       | V                     |
|                          | 6841.36              | -56.08          | -13              | -43.08                  | -81.2                   | -59.47                   | 8.38                       | 11.77                       | V                     |
| Middle                   | 3460.68              | -63.91          | -13              | -50.91                  | -79.53                  | -70.76                   | 5.65                       | 12.50                       | H                     |
|                          | 5191.02              | -60.25          | -13              | -47.25                  | -80.42                  | -65.92                   | 7.13                       | 12.80                       | H                     |
|                          | 6921.36              | -50.69          | -13              | -37.69                  | -75.90                  | -54.09                   | 8.40                       | 11.80                       | H                     |
|                          | 3460.68              | -63.93          | -13              | -50.93                  | -79.58                  | -70.78                   | 5.65                       | 12.50                       | V                     |
|                          | 5191.02              | -60.16          | -13              | -47.16                  | -80.78                  | -65.83                   | 7.13                       | 12.80                       | V                     |
|                          | 6921.36              | -55.67          | -13              | -42.67                  | -81.02                  | -59.07                   | 8.40                       | 11.80                       | V                     |
| Highest                  | 3500.68              | -63.46          | -13              | -50.46                  | -79.37                  | -70.30                   | 5.68                       | 12.52                       | H                     |
|                          | 5251.02              | -61.23          | -13              | -48.23                  | -80.87                  | -66.90                   | 7.15                       | 12.82                       | H                     |
|                          | 7001.36              | -47.40          | -13              | -34.40                  | -73.02                  | -50.83                   | 8.42                       | 11.85                       | H                     |
|                          | 3500.68              | -63.80          | -13              | -50.80                  | -79.74                  | -70.64                   | 5.68                       | 12.52                       | V                     |
|                          | 5251.02              | -61.33          | -13              | -48.33                  | -80.98                  | -67.00                   | 7.15                       | 12.82                       | V                     |
|                          | 7001.36              | -53.49          | -13              | -40.49                  | -79.13                  | -56.92                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3421.18              | -64.33          | -13              | -51.33                  | -79.50                  | -71.21                   | 5.60                       | 12.48                       | H                     |
|                           | 5131.77              | -60.49          | -13              | -47.49                  | -80.58                  | -66.17                   | 7.10                       | 12.78                       | H                     |
|                           | 6842.36              | -54.13          | -13              | -41.13                  | -79.02                  | -57.52                   | 8.38                       | 11.77                       | H                     |
|                           | 3421.18              | -64.34          | -13              | -51.34                  | -79.55                  | -71.22                   | 5.60                       | 12.48                       | V                     |
|                           | 5131.77              | -59.91          | -13              | -46.91                  | -80.43                  | -65.59                   | 7.10                       | 12.78                       | V                     |
|                           | 6842.36              | -56.56          | -13              | -43.56                  | -81.68                  | -59.95                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3456.18              | -64.51          | -13              | -51.51                  | -79.98                  | -71.36                   | 5.65                       | 12.50                       | H                     |
|                           | 5184.27              | -61.11          | -13              | -48.11                  | -81.26                  | -66.78                   | 7.13                       | 12.80                       | H                     |
|                           | 6912.36              | -51.92          | -13              | -38.92                  | -77.13                  | -55.32                   | 8.40                       | 11.80                       | H                     |
|                           | 3456.18              | -64.46          | -13              | -51.46                  | -79.96                  | -71.31                   | 5.65                       | 12.50                       | V                     |
|                           | 5184.27              | -60.48          | -13              | -47.48                  | -81.08                  | -66.15                   | 7.13                       | 12.80                       | V                     |
|                           | 6912.36              | -56.36          | -13              | -43.36                  | -81.71                  | -59.76                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3491.18              | -64.17          | -13              | -51.17                  | -80.08                  | -71.01                   | 5.68                       | 12.52                       | H                     |
|                           | 5236.77              | -61.56          | -13              | -48.56                  | -81.38                  | -67.23                   | 7.15                       | 12.82                       | H                     |
|                           | 6982.36              | -49.34          | -13              | -36.34                  | -74.87                  | -52.77                   | 8.42                       | 11.85                       | H                     |
|                           | 3491.18              | -64.01          | -13              | -51.01                  | -79.95                  | -70.85                   | 5.68                       | 12.52                       | V                     |
|                           | 5236.77              | -61.59          | -13              | -48.59                  | -81.57                  | -67.26                   | 7.15                       | 12.82                       | V                     |
|                           | 6982.36              | -55.75          | -13              | -42.75                  | -81.32                  | -59.18                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 15MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3421.68           | -64.61       | -13           | -51.61            | -79.78            | -71.49             | 5.60                 | 12.48                 | H                  |
|                           | 5132.52           | -60.95       | -13           | -47.95            | -81.04            | -66.63             | 7.10                 | 12.78                 | H                  |
|                           | 6843.36           | -54.44       | -13           | -41.44            | -79.33            | -57.83             | 8.38                 | 11.77                 | H                  |
|                           | 3421.68           | -64.36       | -13           | -51.36            | -79.57            | -71.24             | 5.60                 | 12.48                 | V                  |
|                           | 5132.52           | -60.46       | -13           | -47.46            | -80.98            | -66.14             | 7.10                 | 12.78                 | V                  |
|                           | 6843.36           | -56.68       | -13           | -43.68            | -81.8             | -60.07             | 8.38                 | 11.77                 | V                  |
| Middle                    | 3451.68           | -64.49       | -13           | -51.49            | -79.96            | -71.34             | 5.65                 | 12.50                 | H                  |
|                           | 5177.52           | -60.88       | -13           | -47.88            | -81.03            | -66.55             | 7.13                 | 12.80                 | H                  |
|                           | 6903.36           | -52.88       | -13           | -39.88            | -78.00            | -56.28             | 8.40                 | 11.80                 | H                  |
|                           | 3451.68           | -64.59       | -13           | -51.59            | -80.09            | -71.44             | 5.65                 | 12.50                 | V                  |
|                           | 5177.52           | -60.43       | -13           | -47.43            | -81.03            | -66.10             | 7.13                 | 12.80                 | V                  |
|                           | 6903.36           | -56.30       | -13           | -43.30            | -81.58            | -59.70             | 8.40                 | 11.80                 | V                  |
| Highest                   | 3481.68           | -64.06       | -13           | -51.06            | -79.82            | -70.90             | 5.68                 | 12.52                 | H                  |
|                           | 5222.52           | -61.22       | -13           | -48.22            | -81.22            | -66.89             | 7.15                 | 12.82                 | H                  |
|                           | 6963.36           | -49.03       | -13           | -36.03            | -74.48            | -52.46             | 8.42                 | 11.85                 | H                  |
|                           | 3481.68           | -64.40       | -13           | -51.40            | -80.2             | -71.24             | 5.68                 | 12.52                 | V                  |
|                           | 5222.52           | -61.28       | -13           | -48.28            | -81.58            | -66.95             | 7.15                 | 12.82                 | V                  |
|                           | 6963.36           | -56.14       | -13           | -43.14            | -81.66            | -59.57             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3422.18              | -64.51          | -13              | -51.51                  | -79.68                  | -71.39                   | 5.60                       | 12.48                       | H                     |
|                           | 5133.27              | -60.62          | -13              | -47.62                  | -80.71                  | -66.30                   | 7.10                       | 12.78                       | H                     |
|                           | 6844.36              | -52.89          | -13              | -39.89                  | -77.78                  | -56.28                   | 8.38                       | 11.77                       | H                     |
|                           | 3422.18              | -64.37          | -13              | -51.37                  | -79.58                  | -71.25                   | 5.60                       | 12.48                       | V                     |
|                           | 5133.27              | -60.55          | -13              | -47.55                  | -81.07                  | -66.23                   | 7.10                       | 12.78                       | V                     |
|                           | 6844.36              | -56.62          | -13              | -43.62                  | -81.74                  | -60.01                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3447.18              | -64.59          | -13              | -51.59                  | -80.06                  | -71.44                   | 5.65                       | 12.50                       | H                     |
|                           | 5170.77              | -60.94          | -13              | -47.94                  | -81.07                  | -66.61                   | 7.13                       | 12.80                       | H                     |
|                           | 6894.36              | -52.51          | -13              | -39.51                  | -77.64                  | -55.91                   | 8.40                       | 11.80                       | H                     |
|                           | 3447.18              | -64.27          | -13              | -51.27                  | -79.77                  | -71.12                   | 5.65                       | 12.50                       | V                     |
|                           | 5170.77              | -60.33          | -13              | -47.33                  | -80.91                  | -66.00                   | 7.13                       | 12.80                       | V                     |
|                           | 6894.36              | -56.42          | -13              | -43.42                  | -81.71                  | -59.82                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3472.18              | -64.34          | -13              | -51.34                  | -79.96                  | -71.18                   | 5.68                       | 12.52                       | H                     |
|                           | 5208.27              | -61.36          | -13              | -48.36                  | -81.35                  | -67.03                   | 7.15                       | 12.82                       | H                     |
|                           | 6944.36              | -50.23          | -13              | -37.23                  | -75.60                  | -53.66                   | 8.42                       | 11.85                       | H                     |
|                           | 3472.18              | -64.20          | -13              | -51.20                  | -79.85                  | -71.04                   | 5.68                       | 12.52                       | V                     |
|                           | 5208.27              | -60.24          | -13              | -47.24                  | -80.53                  | -65.91                   | 7.15                       | 12.82                       | V                     |
|                           | 6944.36              | -55.99          | -13              | -42.99                  | -81.45                  | -59.42                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## Top Antenna

| LTE Band 12 / 1.4MHz / QPSK |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                     | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                      | 1398.14           | -66.85      | -13           | -53.85            | -76.26            | -70.08             | 3.98                 | 9.36                  | H                  |
|                             | 2097.21           | -65.71      | -13           | -52.71            | -78.44            | -69.26             | 4.85                 | 10.55                 | H                  |
|                             | 2796.28           | -64.91      | -13           | -51.91            | -78.66            | -69.84             | 5.50                 | 12.58                 | H                  |
|                             | 1398.14           | -66.94      | -13           | -53.94            | -76.27            | -70.17             | 3.98                 | 9.36                  | V                  |
|                             | 2097.21           | -65.83      | -13           | -52.83            | -78.49            | -69.38             | 4.85                 | 10.55                 | V                  |
|                             | 2796.28           | -64.51      | -13           | -51.51            | -78.97            | -69.44             | 5.50                 | 12.58                 | V                  |
| Middle                      | 1413.74           | -67.17      | -13           | -54.17            | -76.62            | -70.42             | 4.00                 | 9.40                  | H                  |
|                             | 2120.61           | -65.99      | -13           | -52.99            | -78.97            | -69.56             | 4.88                 | 10.60                 | H                  |
|                             | 2827.48           | -64.71      | -13           | -51.71            | -78.63            | -69.64             | 5.52                 | 12.60                 | H                  |
|                             | 1413.74           | -66.74      | -13           | -53.74            | -76.15            | -69.99             | 4.00                 | 9.40                  | V                  |
|                             | 2120.61           | -66.00      | -13           | -53.00            | -78.89            | -69.57             | 4.88                 | 10.60                 | V                  |
|                             | 2827.48           | -64.39      | -13           | -51.39            | -78.92            | -69.32             | 5.52                 | 12.60                 | V                  |
| Highest                     | 1429.34           | -67.00      | -13           | -54.00            | -76.49            | -70.17             | 4.10                 | 9.42                  | H                  |
|                             | 2144.01           | -65.39      | -13           | -52.39            | -78.62            | -68.97             | 4.90                 | 10.63                 | H                  |
|                             | 2858.68           | -64.67      | -13           | -51.67            | -78.91            | -69.59             | 5.55                 | 12.62                 | H                  |
|                             | 1429.34           | -67.28      | -13           | -54.28            | -76.67            | -70.45             | 4.10                 | 9.42                  | V                  |
|                             | 2144.01           | -65.89      | -13           | -52.89            | -79.01            | -69.47             | 4.90                 | 10.63                 | V                  |
|                             | 2858.68           | -64.08      | -13           | -51.08            | -78.71            | -69.00             | 5.55                 | 12.62                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 12 / 3MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1398.3               | -67.00         | -13              | -54.00                  | -76.41                  | -70.23                   | 3.98                       | 9.36                        | H                     |
|                           | 2097.45              | -66.03         | -13              | -53.03                  | -78.76                  | -69.58                   | 4.85                       | 10.55                       | H                     |
|                           | 2796.6               | -65.10         | -13              | -52.10                  | -78.85                  | -70.03                   | 5.50                       | 12.58                       | H                     |
|                           | 1398.3               | -67.07         | -13              | -54.07                  | -76.40                  | -70.30                   | 3.98                       | 9.36                        | V                     |
|                           | 2097.45              | -66.03         | -13              | -53.03                  | -78.69                  | -69.58                   | 4.85                       | 10.55                       | V                     |
|                           | 2796.6               | -64.40         | -13              | -51.40                  | -78.86                  | -69.33                   | 5.50                       | 12.58                       | V                     |
| Middle                    | 1412.3               | -67.10         | -13              | -54.10                  | -76.55                  | -70.35                   | 4.00                       | 9.40                        | H                     |
|                           | 2118.45              | -65.92         | -13              | -52.92                  | -78.90                  | -69.49                   | 4.88                       | 10.60                       | H                     |
|                           | 2824.6               | -65.13         | -13              | -52.13                  | -79.05                  | -70.06                   | 5.52                       | 12.60                       | H                     |
|                           | 1412.3               | -66.91         | -13              | -53.91                  | -76.32                  | -70.16                   | 4.00                       | 9.40                        | V                     |
|                           | 2118.45              | -65.87         | -13              | -52.87                  | -78.76                  | -69.44                   | 4.88                       | 10.60                       | V                     |
|                           | 2824.6               | -64.24         | -13              | -51.24                  | -78.77                  | -69.17                   | 5.52                       | 12.60                       | V                     |
| Highest                   | 1426.3               | -67.15         | -13              | -54.15                  | -76.64                  | -70.32                   | 4.10                       | 9.42                        | H                     |
|                           | 2139.45              | -65.71         | -13              | -52.71                  | -78.94                  | -69.29                   | 4.90                       | 10.63                       | H                     |
|                           | 2852.6               | -64.78         | -13              | -51.78                  | -79.02                  | -69.70                   | 5.55                       | 12.62                       | H                     |
|                           | 1426.3               | -67.09         | -13              | -54.09                  | -76.48                  | -70.26                   | 4.10                       | 9.42                        | V                     |
|                           | 2139.45              | -65.52         | -13              | -52.52                  | -78.64                  | -69.10                   | 4.90                       | 10.63                       | V                     |
|                           | 2852.6               | -64.43         | -13              | -51.43                  | -79.06                  | -69.35                   | 5.55                       | 12.62                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 12 / 5MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1398.5               | -66.46         | -13              | -53.46                  | -75.87                  | -69.69                   | 3.98                       | 9.36                        | H                     |
|                           | 2097.75              | -65.63         | -13              | -52.63                  | -78.36                  | -69.18                   | 4.85                       | 10.55                       | H                     |
|                           | 2797                 | -64.69         | -13              | -51.69                  | -78.44                  | -69.62                   | 5.50                       | 12.58                       | H                     |
|                           | 1398.5               | -66.50         | -13              | -53.50                  | -75.83                  | -69.73                   | 3.98                       | 9.36                        | V                     |
|                           | 2097.75              | -65.55         | -13              | -52.55                  | -78.21                  | -69.10                   | 4.85                       | 10.55                       | V                     |
|                           | 2797                 | -64.14         | -13              | -51.14                  | -78.60                  | -69.07                   | 5.50                       | 12.58                       | V                     |
| Middle                    | 1410.5               | -66.93         | -13              | -53.93                  | -76.38                  | -70.18                   | 4.00                       | 9.40                        | H                     |
|                           | 2115.75              | -65.94         | -13              | -52.94                  | -78.92                  | -69.51                   | 4.88                       | 10.60                       | H                     |
|                           | 2821                 | -64.86         | -13              | -51.86                  | -78.77                  | -69.79                   | 5.52                       | 12.60                       | H                     |
|                           | 1410.5               | -67.07         | -13              | -54.07                  | -76.48                  | -70.32                   | 4.00                       | 9.40                        | V                     |
|                           | 2115.75              | -66.09         | -13              | -53.09                  | -78.98                  | -69.66                   | 4.88                       | 10.60                       | V                     |
|                           | 2821                 | -64.14         | -13              | -51.14                  | -78.66                  | -69.07                   | 5.52                       | 12.60                       | V                     |
| Highest                   | 1422.5               | -66.87         | -13              | -53.87                  | -76.36                  | -70.04                   | 4.10                       | 9.42                        | H                     |
|                           | 2133.75              | -65.27         | -13              | -52.27                  | -78.48                  | -68.85                   | 4.90                       | 10.63                       | H                     |
|                           | 2845                 | -64.60         | -13              | -51.60                  | -78.83                  | -69.52                   | 5.55                       | 12.62                       | H                     |
|                           | 1422.5               | -66.99         | -13              | -53.99                  | -76.38                  | -70.16                   | 4.10                       | 9.42                        | V                     |
|                           | 2133.75              | -65.76         | -13              | -52.76                  | -78.86                  | -69.34                   | 4.90                       | 10.63                       | V                     |
|                           | 2845                 | -64.07         | -13              | -51.07                  | -78.69                  | -68.99                   | 5.55                       | 12.62                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 12 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1399                 | -66.44         | -13              | -53.44                  | -75.85                  | -69.67                   | 3.98                       | 9.36                        | H                     |
|                            | 2098.5               | -64.74         | -13              | -51.74                  | -77.47                  | -68.29                   | 4.85                       | 10.55                       | H                     |
|                            | 2798                 | -64.36         | -13              | -51.36                  | -78.12                  | -69.29                   | 5.50                       | 12.58                       | H                     |
|                            | 1399                 | -65.98         | -13              | -52.98                  | -75.31                  | -69.21                   | 3.98                       | 9.36                        | V                     |
|                            | 2098.5               | -65.30         | -13              | -52.30                  | -77.96                  | -68.85                   | 4.85                       | 10.55                       | V                     |
|                            | 2798                 | -63.65         | -13              | -50.65                  | -78.12                  | -68.58                   | 5.50                       | 12.58                       | V                     |
| Middle                     | 1406                 | -67.19         | -13              | -54.19                  | -76.64                  | -70.44                   | 4.00                       | 9.40                        | H                     |
|                            | 2109                 | -66.14         | -13              | -53.14                  | -78.87                  | -69.71                   | 4.88                       | 10.60                       | H                     |
|                            | 2812                 | -65.04         | -13              | -52.04                  | -78.95                  | -69.97                   | 5.52                       | 12.60                       | H                     |
|                            | 1406                 | -66.85         | -13              | -53.85                  | -76.26                  | -70.10                   | 4.00                       | 9.40                        | V                     |
|                            | 2109                 | -65.97         | -13              | -52.97                  | -78.63                  | -69.54                   | 4.88                       | 10.60                       | V                     |
|                            | 2812                 | -64.26         | -13              | -51.26                  | -78.78                  | -69.19                   | 5.52                       | 12.60                       | V                     |
| Highest                    | 1413                 | -66.43         | -13              | -53.43                  | -75.88                  | -69.60                   | 4.10                       | 9.42                        | H                     |
|                            | 2119.5               | -64.85         | -13              | -51.85                  | -77.83                  | -68.43                   | 4.90                       | 10.63                       | H                     |
|                            | 2826                 | -64.31         | -13              | -51.31                  | -78.23                  | -69.23                   | 5.55                       | 12.62                       | H                     |
|                            | 1413                 | -66.58         | -13              | -53.58                  | -75.99                  | -69.75                   | 4.10                       | 9.42                        | V                     |
|                            | 2119.5               | -64.65         | -13              | -51.65                  | -77.54                  | -68.23                   | 4.90                       | 10.63                       | V                     |
|                            | 2826                 | -63.80         | -13              | -50.80                  | -78.33                  | -68.72                   | 5.55                       | 12.62                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## Top Antenna

| LTE Band 13 / 5MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1554.5               | -67.27         | -13              | -54.27                  | -76.71                  | -70.50                   | 3.98                       | 9.36                        | H                     |
|                           | 2331.75              | -64.68         | -13              | -51.68                  | -78.45                  | -68.23                   | 4.85                       | 10.55                       | H                     |
|                           | 3109                 | -63.75         | -13              | -50.75                  | -79.50                  | -68.68                   | 5.50                       | 12.58                       | H                     |
|                           | 1554.5               | -67.52         | -13              | -54.52                  | -76.46                  | -70.75                   | 3.98                       | 9.36                        | V                     |
|                           | 2331.75              | -65.01         | -13              | -52.01                  | -78.80                  | -68.56                   | 4.85                       | 10.55                       | V                     |
|                           | 3109                 | -64.02         | -13              | -51.02                  | -79.62                  | -68.95                   | 5.50                       | 12.58                       | V                     |
| Middle                    | 1559.5               | -67.14         | -42.15           | -24.99                  | -76.58                  | -70.39                   | 4.00                       | 9.40                        | H                     |
|                           | 2339.25              | -65.22         | -13              | -52.22                  | -78.94                  | -68.79                   | 4.88                       | 10.60                       | H                     |
|                           | 3119                 | -63.79         | -13              | -50.79                  | -79.55                  | -68.72                   | 5.52                       | 12.60                       | H                     |
|                           | 1559.5               | -67.60         | -42.15           | -25.45                  | -76.54                  | -70.85                   | 4.00                       | 9.40                        | V                     |
|                           | 2339.25              | -64.78         | -13              | -51.78                  | -78.55                  | -68.35                   | 4.88                       | 10.60                       | V                     |
|                           | 3119                 | -63.67         | -13              | -50.67                  | -79.36                  | -68.60                   | 5.52                       | 12.60                       | V                     |
| Highest                   | 1564.5               | -67.25         | -42.15           | -25.10                  | -76.69                  | -70.42                   | 4.10                       | 9.42                        | H                     |
|                           | 2346.75              | -64.10         | -13              | -51.10                  | -77.82                  | -67.68                   | 4.90                       | 10.63                       | H                     |
|                           | 3129                 | -64.06         | -13              | -51.06                  | -79.82                  | -68.98                   | 5.55                       | 12.62                       | H                     |
|                           | 1564.5               | -67.71         | -42.15           | -25.56                  | -76.65                  | -70.88                   | 4.10                       | 9.42                        | V                     |
|                           | 2346.75              | -64.87         | -13              | -51.87                  | -78.64                  | -68.45                   | 4.90                       | 10.63                       | V                     |
|                           | 3129                 | -64.28         | -13              | -51.28                  | -79.97                  | -69.20                   | 5.55                       | 12.62                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 13 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 1559.5               | -67.15         | -42.15           | -25.00                  | -76.59                  | -70.40                   | 4.00                       | 9.40                        | H                     |
|                            | 2339.25              | -64.61         | -13              | -51.61                  | -78.33                  | -68.18                   | 4.88                       | 10.60                       | H                     |
|                            | 3119                 | -63.79         | -13              | -50.79                  | -79.55                  | -68.72                   | 5.52                       | 12.60                       | H                     |
|                            | 1559.5               | -67.98         | -42.15           | -25.83                  | -76.92                  | -71.23                   | 4.00                       | 9.40                        | V                     |
|                            | 2339.25              | -65.12         | -13              | -52.12                  | -78.89                  | -68.69                   | 4.88                       | 10.60                       | V                     |
|                            | 3119                 | -63.99         | -13              | -50.99                  | -79.68                  | -68.92                   | 5.52                       | 12.60                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## Top Antenna

| LTE Band 17 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1408.68              | -66.71          | -13              | -53.71                  | -76.16                  | -69.94                   | 3.98                       | 9.36                        | H                     |
|                           | 2113.02              | -65.69          | -13              | -52.69                  | -78.44                  | -69.24                   | 4.85                       | 10.55                       | H                     |
|                           | 2817.36              | -64.78          | -13              | -51.78                  | -78.69                  | -69.71                   | 5.50                       | 12.58                       | H                     |
|                           | 1408.68              | -67.22          | -13              | -54.22                  | -76.63                  | -70.45                   | 3.98                       | 9.36                        | V                     |
|                           | 2113.02              | -65.80          | -13              | -52.80                  | -78.48                  | -69.35                   | 4.85                       | 10.55                       | V                     |
|                           | 2817.36              | -64.47          | -13              | -51.47                  | -78.99                  | -69.40                   | 5.50                       | 12.58                       | V                     |
| Middle                    | 1415.68              | -66.81          | -13              | -53.81                  | -76.26                  | -70.06                   | 4.00                       | 9.40                        | H                     |
|                           | 2123.58              | -65.92          | -13              | -52.92                  | -78.90                  | -69.49                   | 4.88                       | 10.60                       | H                     |
|                           | 2831.36              | -64.76          | -13              | -51.76                  | -78.84                  | -69.69                   | 5.52                       | 12.60                       | H                     |
|                           | 1415.68              | -66.95          | -13              | -53.95                  | -76.36                  | -70.20                   | 4.00                       | 9.40                        | V                     |
|                           | 2123.58              | -65.85          | -13              | -52.85                  | -78.74                  | -69.42                   | 4.88                       | 10.60                       | V                     |
|                           | 2831.36              | -64.09          | -13              | -51.09                  | -78.67                  | -69.02                   | 5.52                       | 12.60                       | V                     |
| Highest                   | 1422.68              | -67.07          | -13              | -54.07                  | -76.56                  | -70.24                   | 4.10                       | 9.42                        | H                     |
|                           | 2134.02              | -65.36          | -13              | -52.36                  | -78.57                  | -68.94                   | 4.90                       | 10.63                       | H                     |
|                           | 2845.36              | -64.82          | -13              | -51.82                  | -79.05                  | -69.74                   | 5.55                       | 12.62                       | H                     |
|                           | 1422.68              | -67.40          | -13              | -54.40                  | -76.79                  | -70.57                   | 4.10                       | 9.42                        | V                     |
|                           | 2134.02              | -65.97          | -13              | -52.97                  | -79.07                  | -69.55                   | 4.90                       | 10.63                       | V                     |
|                           | 2845.36              | -64.28          | -13              | -51.28                  | -78.90                  | -69.20                   | 5.55                       | 12.62                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 17 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1409.18              | -66.76         | -13              | -53.76                  | -76.21                  | -69.99                   | 3.98                       | 9.36                        | H                     |
|                            | 2113.77              | -65.94         | -13              | -52.94                  | -78.92                  | -69.49                   | 4.85                       | 10.55                       | H                     |
|                            | 2818.36              | -64.68         | -13              | -51.68                  | -78.59                  | -69.61                   | 5.50                       | 12.58                       | H                     |
|                            | 1409.18              | -66.84         | -13              | -53.84                  | -76.25                  | -70.07                   | 3.98                       | 9.36                        | V                     |
|                            | 2113.77              | -66.18         | -13              | -53.18                  | -79.07                  | -69.73                   | 4.85                       | 10.55                       | V                     |
|                            | 2818.36              | -64.41         | -13              | -51.41                  | -78.93                  | -69.34                   | 5.50                       | 12.58                       | V                     |
| Middle                     | 1411.18              | -66.97         | -13              | -53.97                  | -76.42                  | -70.22                   | 4.00                       | 9.40                        | H                     |
|                            | 2116.77              | -65.71         | -13              | -52.71                  | -78.69                  | -69.28                   | 4.88                       | 10.60                       | H                     |
|                            | 2822.36              | -64.96         | -13              | -51.96                  | -78.87                  | -69.89                   | 5.52                       | 12.60                       | H                     |
|                            | 1411.18              | -67.22         | -13              | -54.22                  | -76.63                  | -70.47                   | 4.00                       | 9.40                        | V                     |
|                            | 2116.77              | -66.07         | -13              | -53.07                  | -78.96                  | -69.64                   | 4.88                       | 10.60                       | V                     |
|                            | 2822.36              | -64.10         | -13              | -51.10                  | -78.62                  | -69.03                   | 5.52                       | 12.60                       | V                     |
| Highest                    | 1413.18              | -66.81         | -13              | -53.81                  | -76.26                  | -69.98                   | 4.10                       | 9.42                        | H                     |
|                            | 2119.77              | -65.77         | -13              | -52.77                  | -78.75                  | -69.35                   | 4.90                       | 10.63                       | H                     |
|                            | 2826.36              | -65.00         | -13              | -52.00                  | -78.92                  | -69.92                   | 5.55                       | 12.62                       | H                     |
|                            | 1413.18              | -67.12         | -13              | -54.12                  | -76.53                  | -70.29                   | 4.10                       | 9.42                        | V                     |
|                            | 2119.77              | -65.95         | -13              | -52.95                  | -78.84                  | -69.53                   | 4.90                       | 10.63                       | V                     |
|                            | 2826.36              | -64.61         | -13              | -51.61                  | -79.14                  | -69.53                   | 5.55                       | 12.62                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## Top Antenna

| LTE Band 66 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                      | 3420.14              | -64.01          | -13              | -51.01                  | -79.18                  | -70.89                   | 5.60                       | 12.48                       | H                     |
|                             | 5130.21              | -61.36          | -13              | -48.36                  | -81.45                  | -67.04                   | 7.10                       | 12.78                       | H                     |
|                             | 6840.28              | -54.13          | -13              | -41.13                  | -79.02                  | -57.52                   | 8.38                       | 11.77                       | H                     |
|                             | 3420.14              | -62.73          | -13              | -49.73                  | -77.94                  | -69.61                   | 5.60                       | 12.48                       | V                     |
|                             | 5130.21              | -60.94          | -13              | -47.94                  | -81.46                  | -66.62                   | 7.10                       | 12.78                       | V                     |
|                             | 6840.28              | -56.60          | -13              | -43.60                  | -81.72                  | -59.99                   | 8.38                       | 11.77                       | V                     |
| Middle                      | 3488.74              | -62.66          | -13              | -49.66                  | -78.42                  | -69.51                   | 5.65                       | 12.50                       | H                     |
|                             | 5233.11              | -62.20          | -13              | -49.20                  | -82.02                  | -67.87                   | 7.13                       | 12.80                       | H                     |
|                             | 6977.48              | -47.58          | -13              | -34.58                  | -73.12                  | -50.98                   | 8.40                       | 11.80                       | H                     |
|                             | 3488.74              | -60.60          | -13              | -47.60                  | -76.4                   | -67.45                   | 5.65                       | 12.50                       | V                     |
|                             | 5233.11              | -62.29          | -13              | -49.29                  | -82.27                  | -67.96                   | 7.13                       | 12.80                       | V                     |
|                             | 6977.48              | -55.66          | -13              | -42.66                  | -81.24                  | -59.06                   | 8.40                       | 11.80                       | V                     |
| Highest                     | 3557.34              | -63.51          | -13              | -50.51                  | -79.84                  | -70.35                   | 5.68                       | 12.52                       | H                     |
|                             | 5336.01              | -62.25          | -13              | -49.25                  | -82.39                  | -67.92                   | 7.15                       | 12.82                       | H                     |
|                             | 7114.68              | -42.21          | -13              | -29.21                  | -68.09                  | -45.64                   | 8.42                       | 11.85                       | H                     |
|                             | 3557.34              | -61.47          | -13              | -48.47                  | -77.83                  | -68.31                   | 5.68                       | 12.52                       | V                     |
|                             | 5336.01              | -62.28          | -13              | -49.28                  | -82.61                  | -67.95                   | 7.15                       | 12.82                       | V                     |
|                             | 7114.68              | -49.77          | -13              | -36.77                  | -76.25                  | -53.20                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 3MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3420.3               | -64.36          | -13              | -51.36                  | -79.53                  | -71.24                   | 5.60                       | 12.48                       | H                     |
|                           | 5130.45              | -61.65          | -13              | -48.65                  | -81.74                  | -67.33                   | 7.10                       | 12.78                       | H                     |
|                           | 6840.6               | -54.13          | -13              | -41.13                  | -79.02                  | -57.52                   | 8.38                       | 11.77                       | H                     |
|                           | 3420.3               | -64.31          | -13              | -51.31                  | -79.52                  | -71.19                   | 5.60                       | 12.48                       | V                     |
|                           | 5130.45              | -61.10          | -13              | -48.10                  | -81.62                  | -66.78                   | 7.10                       | 12.78                       | V                     |
|                           | 6840.6               | -57.02          | -13              | -44.02                  | -82.14                  | -60.41                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3487.3               | -63.72          | -13              | -50.72                  | -79.48                  | -70.57                   | 5.65                       | 12.50                       | H                     |
|                           | 5230.95              | -62.27          | -13              | -49.27                  | -82.09                  | -67.94                   | 7.13                       | 12.80                       | H                     |
|                           | 6974.6               | -47.63          | -13              | -34.63                  | -73.08                  | -51.03                   | 8.40                       | 11.80                       | H                     |
|                           | 3487.3               | -62.56          | -13              | -49.56                  | -78.36                  | -69.41                   | 5.65                       | 12.50                       | V                     |
|                           | 5230.95              | -62.26          | -13              | -49.26                  | -82.24                  | -67.93                   | 7.13                       | 12.80                       | V                     |
|                           | 6974.6               | -56.29          | -13              | -43.29                  | -81.81                  | -59.69                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3554.3               | -62.83          | -13              | -49.83                  | -79.16                  | -69.67                   | 5.68                       | 12.52                       | H                     |
|                           | 5331.45              | -62.31          | -13              | -49.31                  | -82.45                  | -67.98                   | 7.15                       | 12.82                       | H                     |
|                           | 7108.6               | -43.48          | -13              | -30.48                  | -69.31                  | -46.91                   | 8.42                       | 11.85                       | H                     |
|                           | 3554.3               | -62.31          | -13              | -49.31                  | -78.67                  | -69.15                   | 5.68                       | 12.52                       | V                     |
|                           | 5331.45              | -62.02          | -13              | -49.02                  | -82.35                  | -67.69                   | 7.15                       | 12.82                       | V                     |
|                           | 7108.6               | -54.77          | -13              | -41.77                  | -81.11                  | -58.20                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                   | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                    | 3420.5            | -64.69       | -13           | -51.69            | -79.86            | -71.57             | 5.60                 | 12.48                 | H                  |
|                           | 5130.75           | -61.81       | -13           | -48.81            | -81.90            | -67.49             | 7.10                 | 12.78                 | H                  |
|                           | 6841              | -55.59       | -13           | -42.59            | -80.48            | -58.98             | 8.38                 | 11.77                 | H                  |
|                           | 3420.5            | -63.82       | -13           | -50.82            | -79.03            | -70.70             | 5.60                 | 12.48                 | V                  |
|                           | 5130.75           | -61.27       | -13           | -48.27            | -81.79            | -66.95             | 7.10                 | 12.78                 | V                  |
|                           | 6841              | -56.26       | -13           | -43.26            | -81.38            | -59.65             | 8.38                 | 11.77                 | V                  |
| Middle                    | 3485.5            | -64.27       | -13           | -51.27            | -80.03            | -71.12             | 5.65                 | 12.50                 | H                  |
|                           | 5228.25           | -62.53       | -13           | -49.53            | -82.35            | -68.20             | 7.13                 | 12.80                 | H                  |
|                           | 6971              | -49.00       | -13           | -36.00            | -74.45            | -52.40             | 8.40                 | 11.80                 | H                  |
|                           | 3485.5            | -63.06       | -13           | -50.06            | -78.86            | -69.91             | 5.65                 | 12.50                 | V                  |
|                           | 5228.25           | -62.23       | -13           | -49.23            | -82.21            | -67.90             | 7.13                 | 12.80                 | V                  |
|                           | 6971              | -53.54       | -13           | -40.54            | -79.06            | -56.94             | 8.40                 | 11.80                 | V                  |
| Highest                   | 3550.5            | -62.63       | -13           | -49.63            | -78.96            | -69.47             | 5.68                 | 12.52                 | H                  |
|                           | 5325.75           | -62.59       | -13           | -49.59            | -82.63            | -68.26             | 7.15                 | 12.82                 | H                  |
|                           | 7101              | -45.13       | -13           | -32.13            | -70.99            | -48.56             | 8.42                 | 11.85                 | H                  |
|                           | 3550.5            | -61.42       | -13           | -48.42            | -77.78            | -68.26             | 5.68                 | 12.52                 | V                  |
|                           | 5325.75           | -62.26       | -13           | -49.26            | -82.46            | -67.93             | 7.15                 | 12.82                 | V                  |
|                           | 7101              | -54.94       | -13           | -41.94            | -81.31            | -58.37             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3421                 | -64.04          | -13              | -51.04                  | -79.21                  | -70.92                   | 5.60                       | 12.48                       | H                     |
|                            | 5131.5               | -61.44          | -13              | -48.44                  | -81.53                  | -67.12                   | 7.10                       | 12.78                       | H                     |
|                            | 6842                 | -54.04          | -13              | -41.04                  | -78.93                  | -57.43                   | 8.38                       | 11.77                       | H                     |
|                            | 3421                 | -63.50          | -13              | -50.50                  | -78.71                  | -70.38                   | 5.60                       | 12.48                       | V                     |
|                            | 5131.5               | -61.48          | -13              | -48.48                  | -82                     | -67.16                   | 7.10                       | 12.78                       | V                     |
|                            | 6842                 | -56.48          | -13              | -43.48                  | -81.6                   | -59.87                   | 8.38                       | 11.77                       | V                     |
| Middle                     | 3481                 | -64.63          | -13              | -51.63                  | -80.39                  | -71.48                   | 5.65                       | 12.50                       | H                     |
|                            | 5221.5               | -62.01          | -13              | -49.01                  | -82.01                  | -67.68                   | 7.13                       | 12.80                       | H                     |
|                            | 6962                 | -49.13          | -13              | -36.13                  | -74.58                  | -52.53                   | 8.40                       | 11.80                       | H                     |
|                            | 3481                 | -64.27          | -13              | -51.27                  | -80.07                  | -71.12                   | 5.65                       | 12.50                       | V                     |
|                            | 5221.5               | -62.28          | -13              | -49.28                  | -82.58                  | -67.95                   | 7.13                       | 12.80                       | V                     |
|                            | 6962                 | -54.75          | -13              | -41.75                  | -80.27                  | -58.15                   | 8.40                       | 11.80                       | V                     |
| Highest                    | 3541                 | -64.58          | -13              | -51.58                  | -80.76                  | -71.42                   | 5.68                       | 12.52                       | H                     |
|                            | 5311.5               | -62.13          | -13              | -49.13                  | -82.16                  | -67.80                   | 7.15                       | 12.82                       | H                     |
|                            | 7082                 | -44.53          | -13              | -31.53                  | -70.33                  | -47.96                   | 8.42                       | 11.85                       | H                     |
|                            | 3541                 | -63.42          | -13              | -50.42                  | -79.64                  | -70.26                   | 5.68                       | 12.52                       | V                     |
|                            | 5311.5               | -62.49          | -13              | -49.49                  | -82.68                  | -68.16                   | 7.15                       | 12.82                       | V                     |
|                            | 7082                 | -54.15          | -13              | -41.15                  | -80.38                  | -57.58                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 15MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3421.5               | -63.75          | -13              | -50.75                  | -78.92                  | -70.63                   | 5.60                       | 12.48                       | H                     |
|                            | 5132.25              | -61.75          | -13              | -48.75                  | -81.84                  | -67.43                   | 7.10                       | 12.78                       | H                     |
|                            | 6843                 | -54.99          | -13              | -41.99                  | -79.88                  | -58.38                   | 8.38                       | 11.77                       | H                     |
|                            | 3421.5               | -64.00          | -13              | -51.00                  | -79.21                  | -70.88                   | 5.60                       | 12.48                       | V                     |
|                            | 5132.25              | -61.36          | -13              | -48.36                  | -81.88                  | -67.04                   | 7.10                       | 12.78                       | V                     |
|                            | 6843                 | -56.08          | -13              | -43.08                  | -81.2                   | -59.47                   | 8.38                       | 11.77                       | V                     |
| Middle                     | 3476.5               | -65.07          | -13              | -52.07                  | -80.83                  | -71.92                   | 5.65                       | 12.50                       | H                     |
|                            | 5214.75              | -62.38          | -13              | -49.38                  | -82.37                  | -68.05                   | 7.13                       | 12.80                       | H                     |
|                            | 6953                 | -49.52          | -13              | -36.52                  | -74.89                  | -52.92                   | 8.40                       | 11.80                       | H                     |
|                            | 3476.5               | -64.51          | -13              | -51.51                  | -80.31                  | -71.36                   | 5.65                       | 12.50                       | V                     |
|                            | 5214.75              | -62.00          | -13              | -49.00                  | -82.29                  | -67.67                   | 7.13                       | 12.80                       | V                     |
|                            | 6953                 | -54.75          | -13              | -41.75                  | -80.21                  | -58.15                   | 8.40                       | 11.80                       | V                     |
| Highest                    | 3531.5               | -64.64          | -13              | -51.64                  | -80.83                  | -71.48                   | 5.68                       | 12.52                       | H                     |
|                            | 5297.25              | -62.12          | -13              | -49.12                  | -82.06                  | -67.79                   | 7.15                       | 12.82                       | H                     |
|                            | 7063                 | -44.78          | -13              | -31.78                  | -70.54                  | -48.21                   | 8.42                       | 11.85                       | H                     |
|                            | 3531.5               | -64.23          | -13              | -51.23                  | -80.46                  | -71.07                   | 5.68                       | 12.52                       | V                     |
|                            | 5297.25              | -62.46          | -13              | -49.46                  | -82.52                  | -68.13                   | 7.15                       | 12.82                       | V                     |
|                            | 7063                 | -55.05          | -13              | -42.05                  | -81.16                  | -58.48                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3422                 | -63.61          | -13              | -50.61                  | -78.78                  | -70.49                   | 5.60                       | 12.48                       | H                     |
|                            | 5133                 | -61.76          | -13              | -48.76                  | -81.85                  | -67.44                   | 7.10                       | 12.78                       | H                     |
|                            | 6844                 | -55.68          | -13              | -42.68                  | -80.57                  | -59.07                   | 8.38                       | 11.77                       | H                     |
|                            | 3422                 | -64.01          | -13              | -51.01                  | -79.22                  | -70.89                   | 5.60                       | 12.48                       | V                     |
|                            | 5133                 | -61.23          | -13              | -48.23                  | -81.75                  | -66.91                   | 7.10                       | 12.78                       | V                     |
|                            | 6844                 | -56.23          | -13              | -43.23                  | -81.35                  | -59.62                   | 8.38                       | 11.77                       | V                     |
| Middle                     | 3472                 | -64.88          | -13              | -51.88                  | -80.50                  | -71.73                   | 5.65                       | 12.50                       | H                     |
|                            | 5208                 | -62.07          | -13              | -49.07                  | -82.06                  | -67.74                   | 7.13                       | 12.80                       | H                     |
|                            | 6944                 | -51.01          | -13              | -38.01                  | -76.38                  | -54.41                   | 8.40                       | 11.80                       | H                     |
|                            | 3472                 | -64.48          | -13              | -51.48                  | -80.13                  | -71.33                   | 5.65                       | 12.50                       | V                     |
|                            | 5208                 | -61.87          | -13              | -48.87                  | -82.16                  | -67.54                   | 7.13                       | 12.80                       | V                     |
|                            | 6944                 | -55.10          | -13              | -42.10                  | -80.56                  | -58.50                   | 8.40                       | 11.80                       | V                     |
| Highest                    | 3522                 | -63.72          | -13              | -50.72                  | -79.77                  | -70.56                   | 5.68                       | 12.52                       | H                     |
|                            | 5283                 | -62.51          | -13              | -49.51                  | -82.35                  | -68.18                   | 7.15                       | 12.82                       | H                     |
|                            | 7044                 | -46.03          | -13              | -33.03                  | -71.77                  | -49.46                   | 8.42                       | 11.85                       | H                     |
|                            | 3522                 | -62.38          | -13              | -49.38                  | -78.46                  | -69.22                   | 5.68                       | 12.52                       | V                     |
|                            | 5283                 | -62.53          | -13              | -49.53                  | -82.46                  | -68.20                   | 7.15                       | 12.82                       | V                     |
|                            | 7044                 | -54.71          | -13              | -41.71                  | -80.71                  | -58.14                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## Bottom Antenna

| LTE Band 66 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                     | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                      | 3420.14              | -64.37          | -13              | -51.37                  | -79.54                  | -71.25                   | 5.60                       | 12.48                       | H                     |
|                             | 5130.21              | -61.54          | -13              | -48.54                  | -81.63                  | -67.22                   | 7.10                       | 12.78                       | H                     |
|                             | 6840.28              | -53.88          | -13              | -40.88                  | -78.77                  | -57.27                   | 8.38                       | 11.77                       | H                     |
|                             | 3420.14              | -62.92          | -13              | -49.92                  | -78.13                  | -69.80                   | 5.60                       | 12.48                       | V                     |
|                             | 5130.21              | -61.10          | -13              | -48.10                  | -81.62                  | -66.78                   | 7.10                       | 12.78                       | V                     |
|                             | 6840.28              | -57.17          | -13              | -44.17                  | -82.29                  | -60.56                   | 8.38                       | 11.77                       | V                     |
| Middle                      | 3488.74              | -64.20          | -13              | -51.20                  | -79.96                  | -71.05                   | 5.65                       | 12.50                       | H                     |
|                             | 5233.11              | -62.34          | -13              | -49.34                  | -82.16                  | -68.01                   | 7.13                       | 12.80                       | H                     |
|                             | 6977.48              | -47.70          | -13              | -34.70                  | -73.24                  | -51.10                   | 8.40                       | 11.80                       | H                     |
|                             | 3488.74              | -63.81          | -13              | -50.81                  | -79.61                  | -70.66                   | 5.65                       | 12.50                       | V                     |
|                             | 5233.11              | -62.13          | -13              | -49.13                  | -82.11                  | -67.80                   | 7.13                       | 12.80                       | V                     |
|                             | 6977.48              | -56.03          | -13              | -43.03                  | -81.61                  | -59.43                   | 8.40                       | 11.80                       | V                     |
| Highest                     | 3557.34              | -63.68          | -13              | -50.68                  | -80.01                  | -70.52                   | 5.68                       | 12.52                       | H                     |
|                             | 5336.01              | -62.35          | -13              | -49.35                  | -82.49                  | -68.02                   | 7.15                       | 12.82                       | H                     |
|                             | 7114.68              | -44.39          | -13              | -31.39                  | -70.27                  | -47.82                   | 8.42                       | 11.85                       | H                     |
|                             | 3557.34              | -63.70          | -13              | -50.70                  | -80.06                  | -70.54                   | 5.68                       | 12.52                       | V                     |
|                             | 5336.01              | -62.14          | -13              | -49.14                  | -82.47                  | -67.81                   | 7.15                       | 12.82                       | V                     |
|                             | 7114.68              | -54.25          | -13              | -41.25                  | -80.73                  | -57.68                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 3MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3420.3               | -63.84          | -13              | -50.84                  | -79.01                  | -70.72                   | 5.60                       | 12.48                       | H                     |
|                           | 5130.45              | -61.31          | -13              | -48.31                  | -81.40                  | -66.99                   | 7.10                       | 12.78                       | H                     |
|                           | 6840.6               | -54.08          | -13              | -41.08                  | -78.97                  | -57.47                   | 8.38                       | 11.77                       | H                     |
|                           | 3420.3               | -62.74          | -13              | -49.74                  | -77.95                  | -69.62                   | 5.60                       | 12.48                       | V                     |
|                           | 5130.45              | -61.12          | -13              | -48.12                  | -81.64                  | -66.80                   | 7.10                       | 12.78                       | V                     |
|                           | 6840.6               | -57.34          | -13              | -44.34                  | -82.46                  | -60.73                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3487.3               | -64.22          | -13              | -51.22                  | -79.98                  | -71.07                   | 5.65                       | 12.50                       | H                     |
|                           | 5230.95              | -62.46          | -13              | -49.46                  | -82.28                  | -68.13                   | 7.13                       | 12.80                       | H                     |
|                           | 6974.6               | -47.76          | -13              | -34.76                  | -73.21                  | -51.16                   | 8.40                       | 11.80                       | H                     |
|                           | 3487.3               | -63.66          | -13              | -50.66                  | -79.46                  | -70.51                   | 5.65                       | 12.50                       | V                     |
|                           | 5230.95              | -61.90          | -13              | -48.90                  | -81.88                  | -67.57                   | 7.13                       | 12.80                       | V                     |
|                           | 6974.6               | -55.48          | -13              | -42.48                  | -81                     | -58.88                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3554.3               | -63.44          | -13              | -50.44                  | -79.77                  | -70.28                   | 5.68                       | 12.52                       | H                     |
|                           | 5331.45              | -62.37          | -13              | -49.37                  | -82.51                  | -68.04                   | 7.15                       | 12.82                       | H                     |
|                           | 7108.6               | -44.67          | -13              | -31.67                  | -70.50                  | -48.10                   | 8.42                       | 11.85                       | H                     |
|                           | 3554.3               | -64.12          | -13              | -51.12                  | -80.48                  | -70.96                   | 5.68                       | 12.52                       | V                     |
|                           | 5331.45              | -61.88          | -13              | -48.88                  | -82.21                  | -67.55                   | 7.15                       | 12.82                       | V                     |
|                           | 7108.6               | -54.81          | -13              | -41.81                  | -81.15                  | -58.24                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3420.5               | -64.15          | -13              | -51.15                  | -79.32                  | -71.03                   | 5.60                       | 12.48                       | H                     |
|                           | 5130.75              | -61.64          | -13              | -48.64                  | -81.73                  | -67.32                   | 7.10                       | 12.78                       | H                     |
|                           | 6841                 | -54.35          | -13              | -41.35                  | -79.24                  | -57.74                   | 8.38                       | 11.77                       | H                     |
|                           | 3420.5               | -63.12          | -13              | -50.12                  | -78.33                  | -70.00                   | 5.60                       | 12.48                       | V                     |
|                           | 5130.75              | -60.99          | -13              | -47.99                  | -81.51                  | -66.67                   | 7.10                       | 12.78                       | V                     |
|                           | 6841                 | -57.24          | -13              | -44.24                  | -82.36                  | -60.63                   | 8.38                       | 11.77                       | V                     |
| Middle                    | 3485.5               | -64.39          | -13              | -51.39                  | -80.15                  | -71.24                   | 5.65                       | 12.50                       | H                     |
|                           | 5228.25              | -62.36          | -13              | -49.36                  | -82.18                  | -68.03                   | 7.13                       | 12.80                       | H                     |
|                           | 6971                 | -47.92          | -13              | -34.92                  | -73.37                  | -51.32                   | 8.40                       | 11.80                       | H                     |
|                           | 3485.5               | -63.47          | -13              | -50.47                  | -79.27                  | -70.32                   | 5.65                       | 12.50                       | V                     |
|                           | 5228.25              | -62.20          | -13              | -49.20                  | -82.18                  | -67.87                   | 7.13                       | 12.80                       | V                     |
|                           | 6971                 | -55.82          | -13              | -42.82                  | -81.34                  | -59.22                   | 8.40                       | 11.80                       | V                     |
| Highest                   | 3550.5               | -63.83          | -13              | -50.83                  | -80.16                  | -70.67                   | 5.68                       | 12.52                       | H                     |
|                           | 5325.75              | -62.19          | -13              | -49.19                  | -82.23                  | -67.86                   | 7.15                       | 12.82                       | H                     |
|                           | 7101                 | -44.78          | -13              | -31.78                  | -70.64                  | -48.21                   | 8.42                       | 11.85                       | H                     |
|                           | 3550.5               | -64.11          | -13              | -51.11                  | -80.47                  | -70.95                   | 5.68                       | 12.52                       | V                     |
|                           | 5325.75              | -62.34          | -13              | -49.34                  | -82.54                  | -68.01                   | 7.15                       | 12.82                       | V                     |
|                           | 7101                 | -54.88          | -13              | -41.88                  | -81.25                  | -58.31                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 10MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 3421              | -63.83       | -13           | -50.83            | -79.00            | -70.71             | 5.60                 | 12.48                 | H                  |
|                            | 5131.5            | -61.67       | -13           | -48.67            | -81.76            | -67.35             | 7.10                 | 12.78                 | H                  |
|                            | 6842              | -53.79       | -13           | -40.79            | -78.68            | -57.18             | 8.38                 | 11.77                 | H                  |
|                            | 3421              | -61.76       | -13           | -48.76            | -76.97            | -68.64             | 5.60                 | 12.48                 | V                  |
|                            | 5131.5            | -61.04       | -13           | -48.04            | -81.56            | -66.72             | 7.10                 | 12.78                 | V                  |
|                            | 6842              | -57.12       | -13           | -44.12            | -82.24            | -60.51             | 8.38                 | 11.77                 | V                  |
| Middle                     | 3481              | -64.62       | -13           | -51.62            | -80.38            | -71.47             | 5.65                 | 12.50                 | H                  |
|                            | 5221.5            | -62.28       | -13           | -49.28            | -82.28            | -67.95             | 7.13                 | 12.80                 | H                  |
|                            | 6962              | -48.44       | -13           | -35.44            | -73.89            | -51.84             | 8.40                 | 11.80                 | H                  |
|                            | 3481              | -63.31       | -13           | -50.31            | -79.11            | -70.16             | 5.65                 | 12.50                 | V                  |
|                            | 5221.5            | -62.23       | -13           | -49.23            | -82.53            | -67.90             | 7.13                 | 12.80                 | V                  |
|                            | 6962              | -56.37       | -13           | -43.37            | -81.89            | -59.77             | 8.40                 | 11.80                 | V                  |
| Highest                    | 3541              | -64.19       | -13           | -51.19            | -80.37            | -71.03             | 5.68                 | 12.52                 | H                  |
|                            | 5311.5            | -62.57       | -13           | -49.57            | -82.60            | -68.24             | 7.15                 | 12.82                 | H                  |
|                            | 7082              | -45.19       | -13           | -32.19            | -70.99            | -48.62             | 8.42                 | 11.85                 | H                  |
|                            | 3541              | -64.02       | -13           | -51.02            | -80.24            | -70.86             | 5.68                 | 12.52                 | V                  |
|                            | 5311.5            | -62.35       | -13           | -49.35            | -82.54            | -68.02             | 7.15                 | 12.82                 | V                  |
|                            | 7082              | -54.83       | -13           | -41.83            | -81.06            | -58.26             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 15MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 3421.5            | -63.39       | -13           | -50.39            | -78.56            | -70.27             | 5.60                 | 12.48                 | H                  |
|                            | 5132.25           | -61.69       | -13           | -48.69            | -81.78            | -67.37             | 7.10                 | 12.78                 | H                  |
|                            | 6843              | -52.49       | -13           | -39.49            | -77.38            | -55.88             | 8.38                 | 11.77                 | H                  |
|                            | 3421.5            | -61.46       | -13           | -48.46            | -76.67            | -68.34             | 5.60                 | 12.48                 | V                  |
|                            | 5132.25           | -61.26       | -13           | -48.26            | -81.78            | -66.94             | 7.10                 | 12.78                 | V                  |
|                            | 6843              | -56.98       | -13           | -43.98            | -82.1             | -60.37             | 8.38                 | 11.77                 | V                  |
| Middle                     | 3476.5            | -64.07       | -13           | -51.07            | -79.83            | -70.92             | 5.65                 | 12.50                 | H                  |
|                            | 5214.75           | -61.94       | -13           | -48.94            | -81.93            | -67.61             | 7.13                 | 12.80                 | H                  |
|                            | 6953              | -47.90       | -13           | -34.90            | -73.27            | -51.30             | 8.40                 | 11.80                 | H                  |
|                            | 3476.5            | -62.74       | -13           | -49.74            | -78.54            | -69.59             | 5.65                 | 12.50                 | V                  |
|                            | 5214.75           | -61.84       | -13           | -48.84            | -82.13            | -67.51             | 7.13                 | 12.80                 | V                  |
|                            | 6953              | -56.30       | -13           | -43.30            | -81.76            | -59.70             | 8.40                 | 11.80                 | V                  |
| Highest                    | 3531.5            | -64.17       | -13           | -51.17            | -80.36            | -71.01             | 5.68                 | 12.52                 | H                  |
|                            | 5297.25           | -62.45       | -13           | -49.45            | -82.39            | -68.12             | 7.15                 | 12.82                 | H                  |
|                            | 7063              | -44.57       | -13           | -31.57            | -70.33            | -48.00             | 8.42                 | 11.85                 | H                  |
|                            | 3531.5            | -63.12       | -13           | -50.12            | -79.35            | -69.96             | 5.68                 | 12.52                 | V                  |
|                            | 5297.25           | -62.24       | -13           | -49.24            | -82.3             | -67.91             | 7.15                 | 12.82                 | V                  |
|                            | 7063              | -55.02       | -13           | -42.02            | -81.13            | -58.45             | 8.42                 | 11.85                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 66 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3422                 | -63.23          | -13              | -50.23                  | -78.40                  | -70.11                   | 5.60                       | 12.48                       | H                     |
|                            | 5133                 | -61.64          | -13              | -48.64                  | -81.73                  | -67.32                   | 7.10                       | 12.78                       | H                     |
|                            | 6844                 | -52.51          | -13              | -39.51                  | -77.40                  | -55.90                   | 8.38                       | 11.77                       | H                     |
|                            | 3422                 | -61.63          | -13              | -48.63                  | -76.84                  | -68.51                   | 5.60                       | 12.48                       | V                     |
|                            | 5133                 | -61.18          | -13              | -48.18                  | -81.7                   | -66.86                   | 7.10                       | 12.78                       | V                     |
|                            | 6844                 | -57.02          | -13              | -44.02                  | -82.14                  | -60.41                   | 8.38                       | 11.77                       | V                     |
| Middle                     | 3472                 | -63.98          | -13              | -50.98                  | -79.60                  | -70.83                   | 5.65                       | 12.50                       | H                     |
|                            | 5208                 | -62.20          | -13              | -49.20                  | -82.19                  | -67.87                   | 7.13                       | 12.80                       | H                     |
|                            | 6944                 | -49.03          | -13              | -36.03                  | -74.40                  | -52.43                   | 8.40                       | 11.80                       | H                     |
|                            | 3472                 | -62.88          | -13              | -49.88                  | -78.53                  | -69.73                   | 5.65                       | 12.50                       | V                     |
|                            | 5208                 | -61.80          | -13              | -48.80                  | -82.09                  | -67.47                   | 7.13                       | 12.80                       | V                     |
|                            | 6944                 | -56.18          | -13              | -43.18                  | -81.64                  | -59.58                   | 8.40                       | 11.80                       | V                     |
| Highest                    | 3522                 | -62.77          | -13              | -49.77                  | -78.82                  | -69.61                   | 5.68                       | 12.52                       | H                     |
|                            | 5283                 | -62.34          | -13              | -49.34                  | -82.18                  | -68.01                   | 7.15                       | 12.82                       | H                     |
|                            | 7044                 | -45.25          | -13              | -32.25                  | -70.99                  | -48.68                   | 8.42                       | 11.85                       | H                     |
|                            | 3522                 | -62.57          | -13              | -49.57                  | -78.65                  | -69.41                   | 5.68                       | 12.52                       | V                     |
|                            | 5283                 | -62.39          | -13              | -49.39                  | -82.32                  | -68.06                   | 7.15                       | 12.82                       | V                     |
|                            | 7044                 | -55.06          | -13              | -42.06                  | -81.06                  | -58.49                   | 8.42                       | 11.85                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.