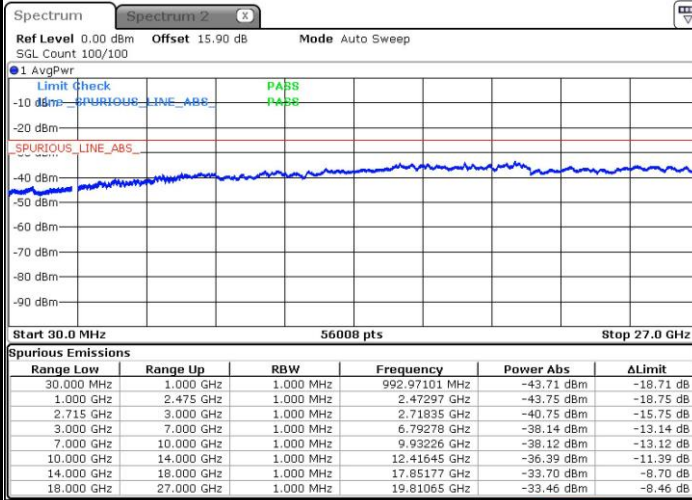




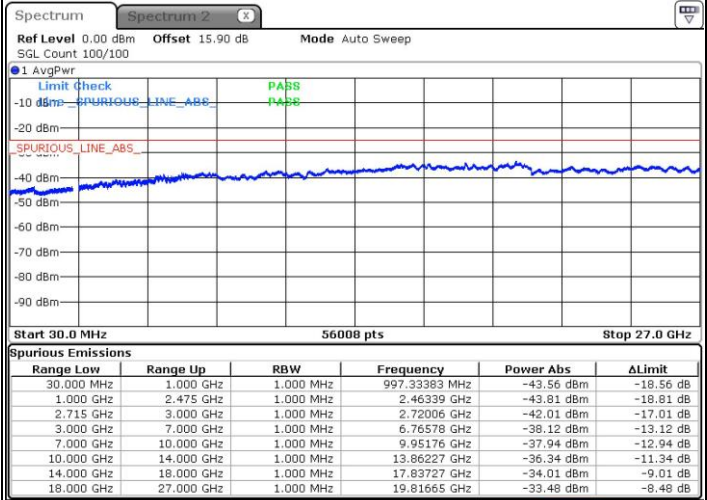
## LTE Band 41 / 5MHz

## Highest Channel / QPSK



Date: 20.OCT.2018 21:54:59

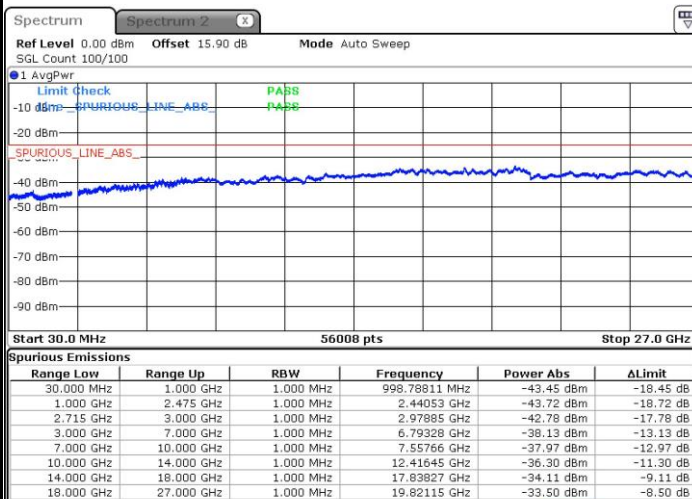
## Highest Channel / 16QAM



Date: 20.OCT.2018 21:55:44

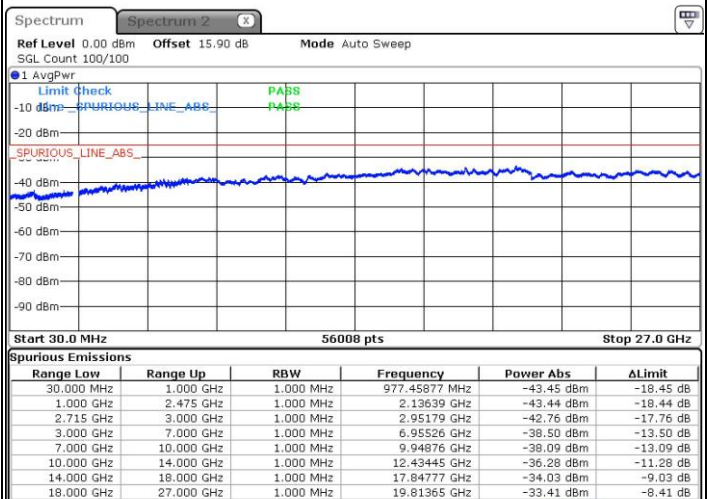
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



Date: 20.OCT.2018 21:56:29

## Lowest Channel / 16QAM

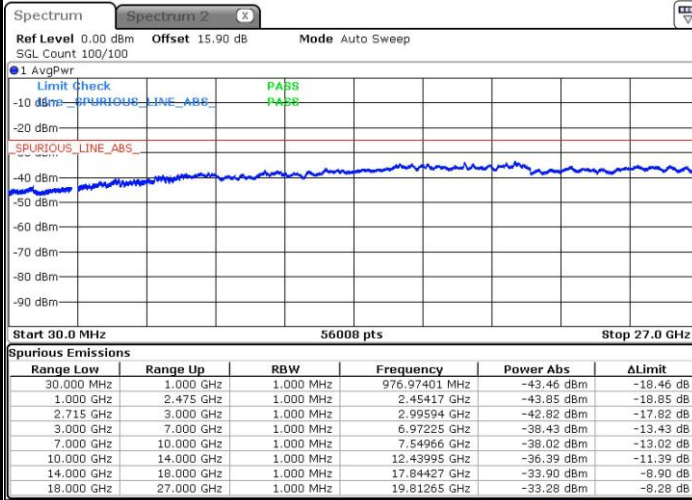


Date: 20.OCT.2018 21:57:14



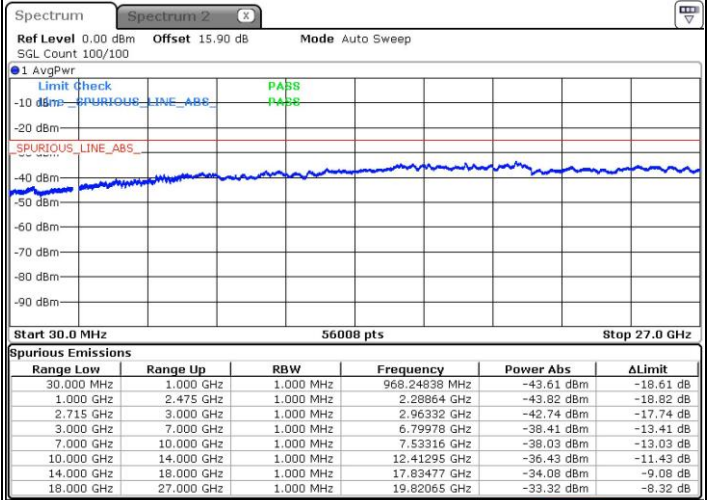
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



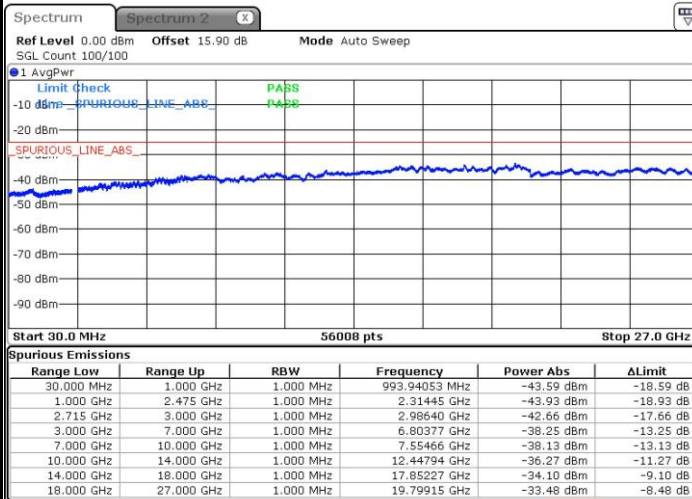
Date: 20.OCT.2018 21:57:58

## Middle Channel / 16QAM



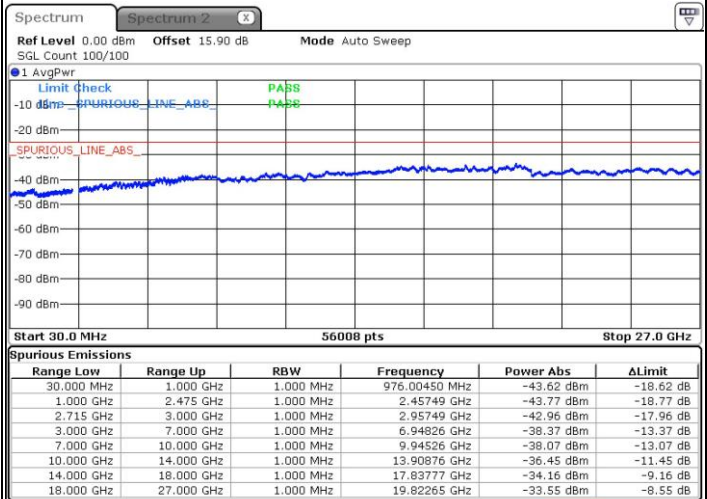
Date: 20.OCT.2018 21:58:43

## Highest Channel / QPSK



Date: 20.OCT.2018 21:59:28

## Highest Channel / 16QAM

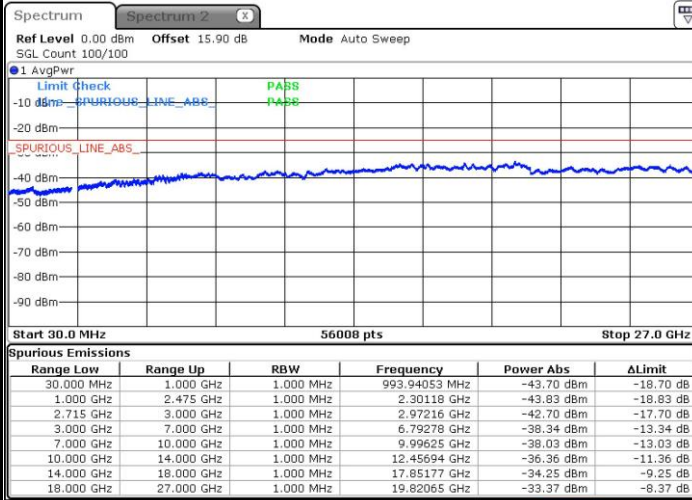


Date: 20.OCT.2018 22:00:12



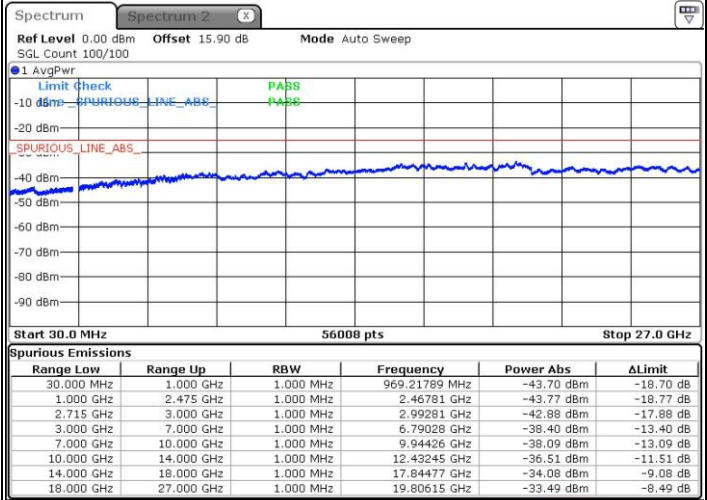
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



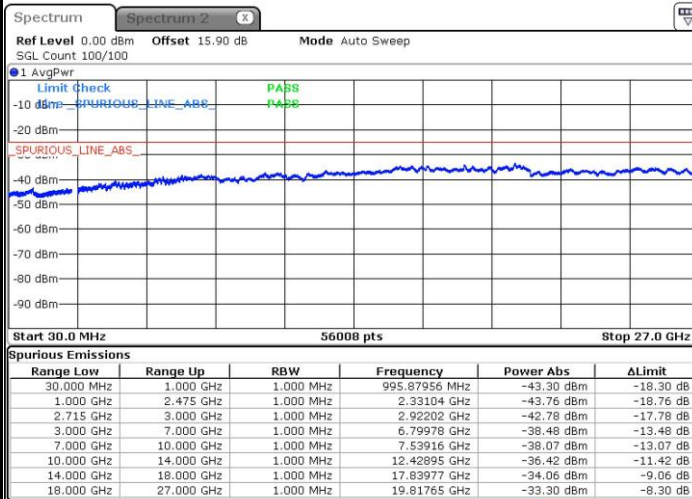
Date: 20.OCT.2018 22:00:57

## Lowest Channel / 16QAM



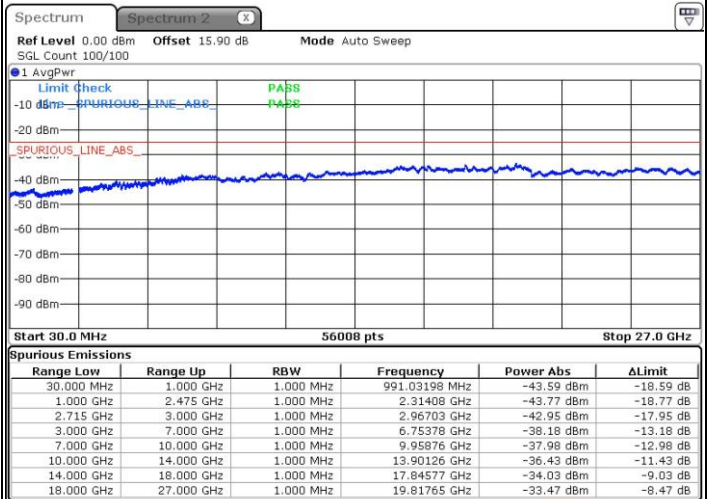
Date: 20.OCT.2018 22:01:42

## Middle Channel / QPSK



Date: 20.OCT.2018 22:02:27

## Middle Channel / 16QAM

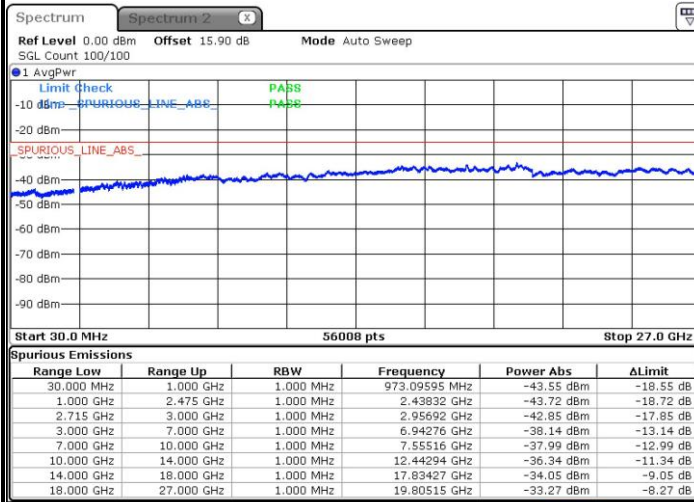


Date: 20.OCT.2018 22:03:12



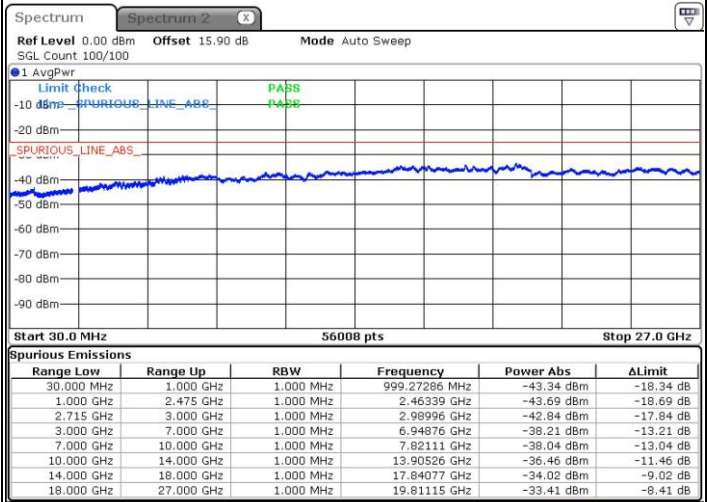
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 20.OCT.2018 22:03:56

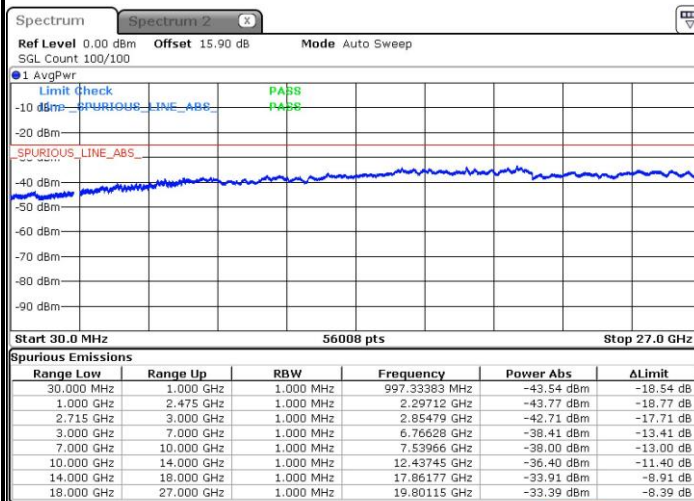
## Highest Channel / 16QAM



Date: 20.OCT.2018 22:04:41

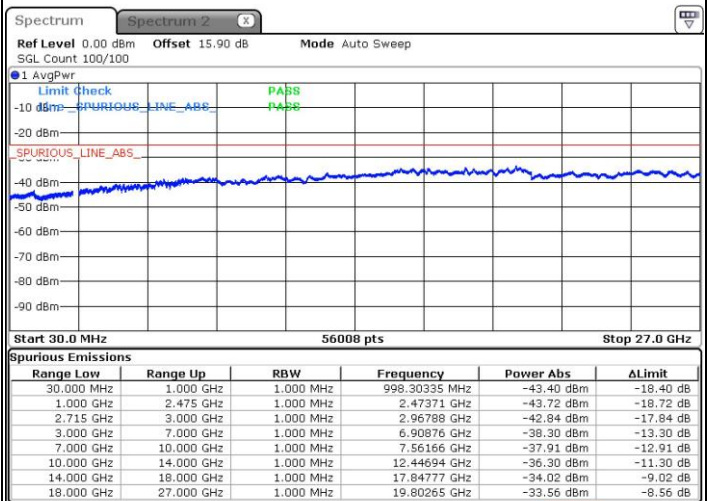
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 20.OCT.2018 22:05:25

## Lowest Channel / 16QAM

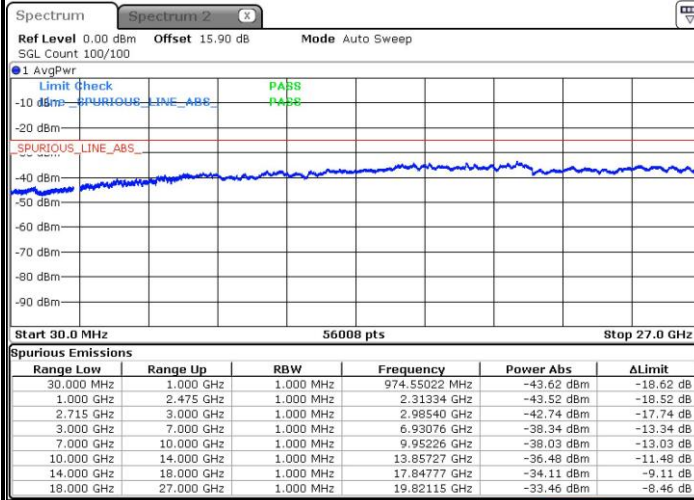


Date: 20.OCT.2018 22:06:11



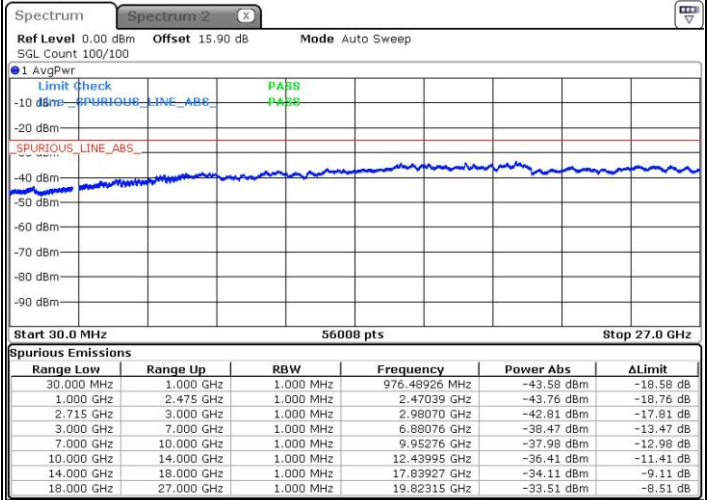
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



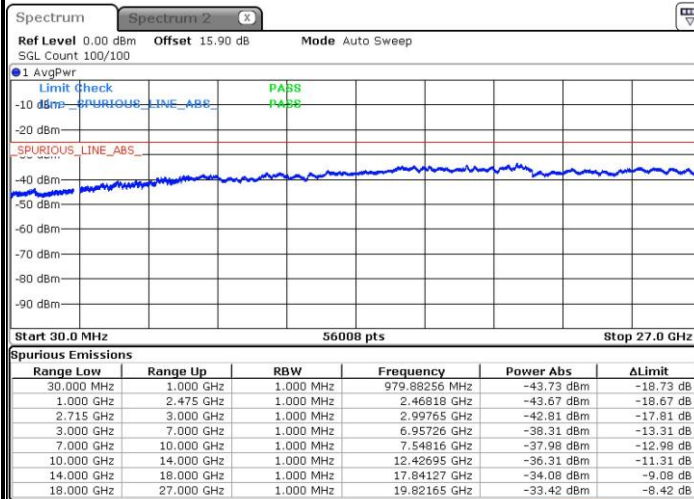
Date: 20.OCT.2018 22:06:55

## Middle Channel / 16QAM



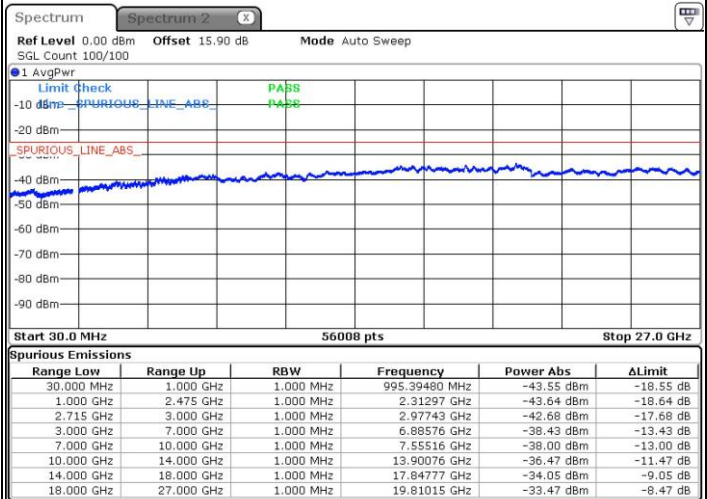
Date: 20.OCT.2018 22:07:40

## Highest Channel / QPSK



Date: 20.OCT.2018 22:08:25

## Highest Channel / 16QAM

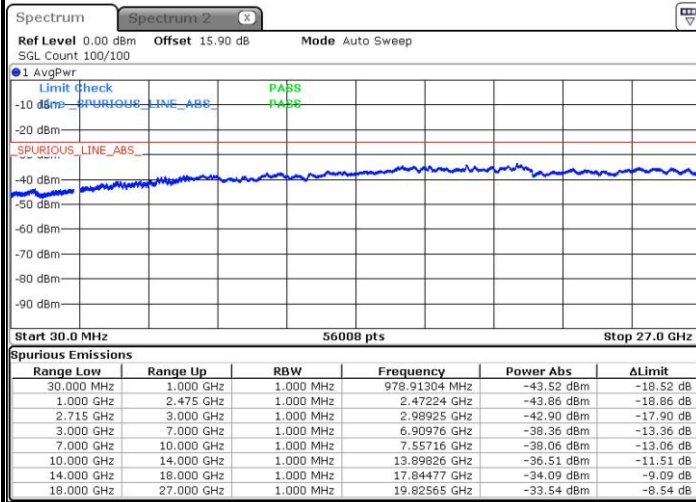


Date: 20.OCT.2018 22:09:10



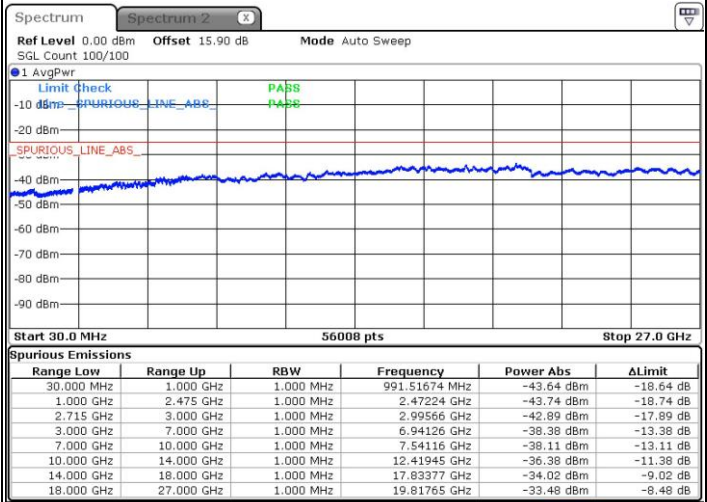
## LTE Band 41 / 5MHz

## Lowest Channel / 64QAM



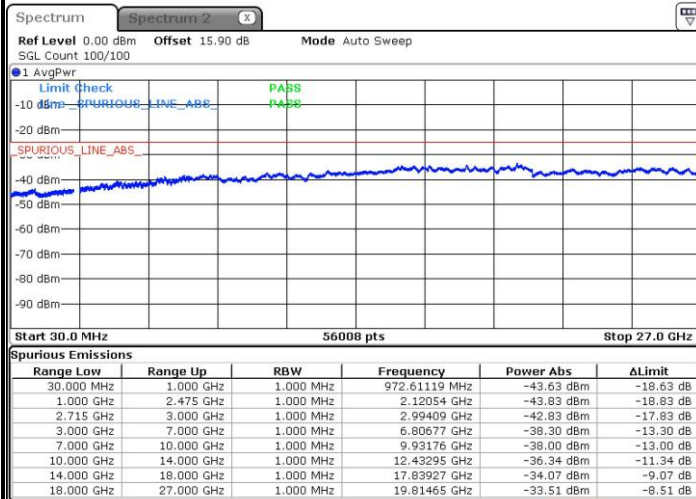
Date: 20.OCT.2018 21:43:03

## Middle Channel / 64QAM



Date: 20.OCT.2018 21:43:48

## Highest Channel / 64QAM

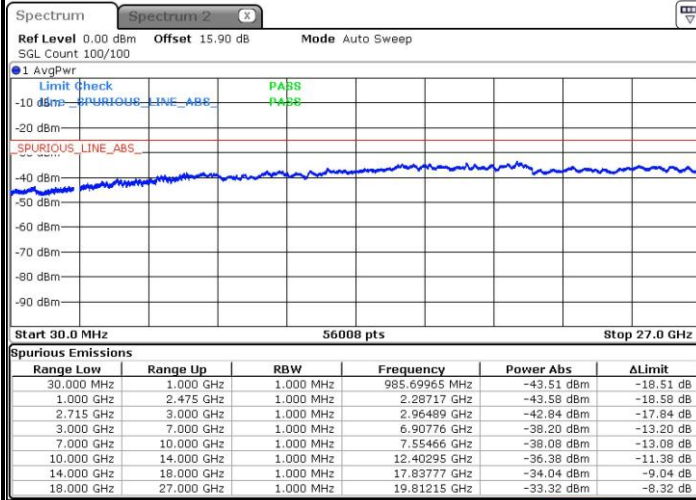


Date: 20.OCT.2018 21:44:33



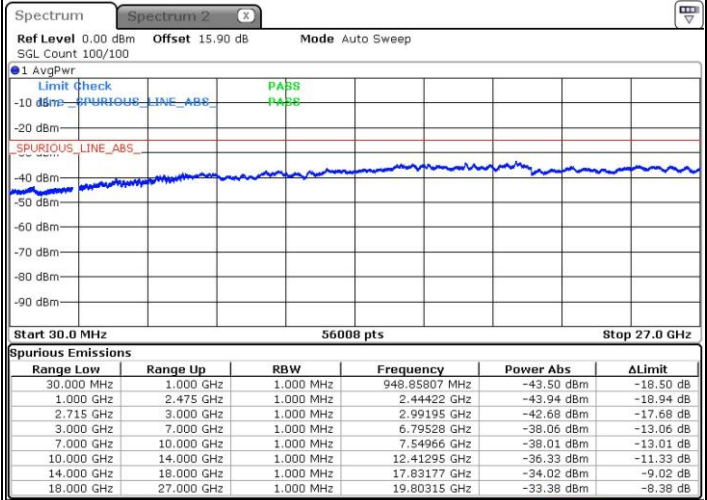
## LTE Band 41 / 10MHz

## Lowest Channel / 64QAM



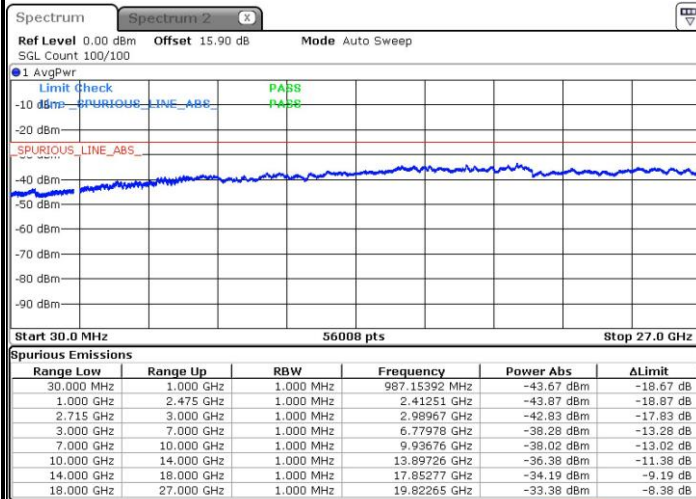
Date: 20.OCT.2018 21:45:17

## Middle Channel / 64QAM



Date: 20.OCT.2018 21:46:02

## Highest Channel / 64QAM

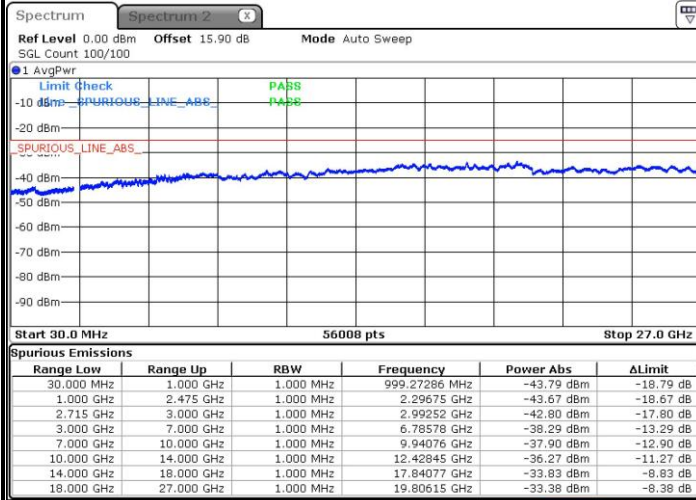


Date: 20.OCT.2018 21:46:47



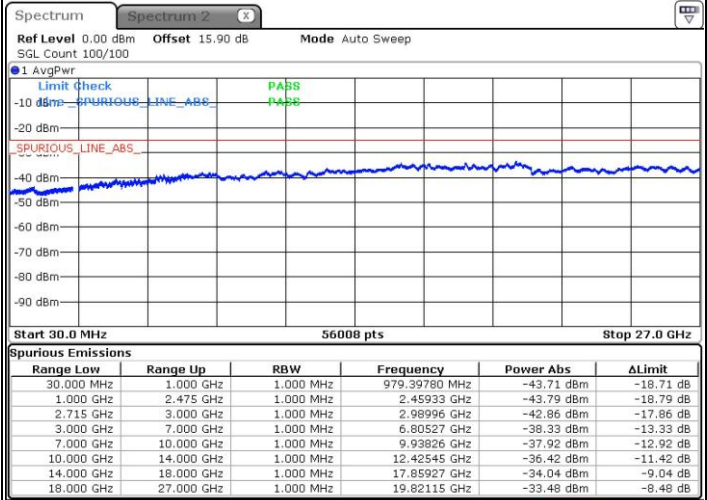
## LTE Band 41 / 15MHz

## Lowest Channel / 64QAM



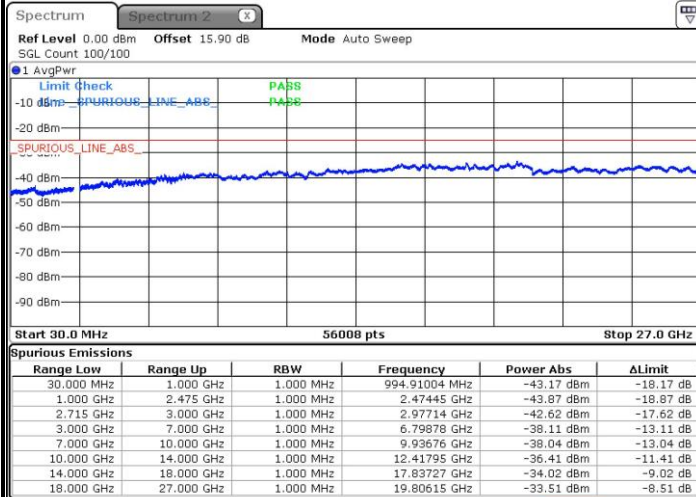
Date: 20.OCT.2018 21:47:32

## Middle Channel / 64QAM



Date: 20.OCT.2018 21:48:16

## Highest Channel / 64QAM

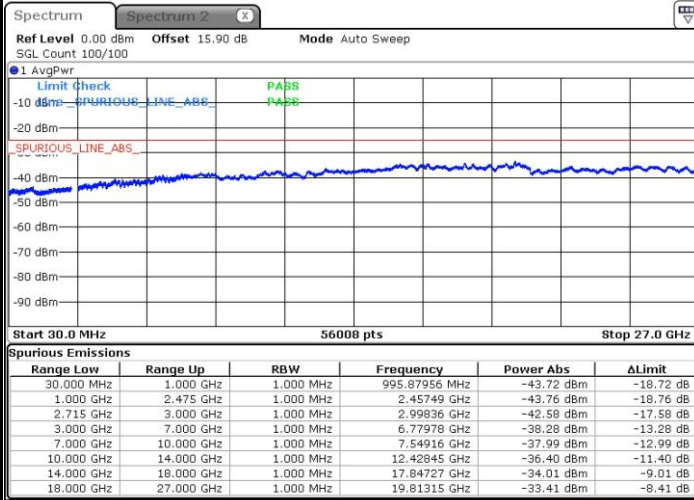


Date: 20.OCT.2018 21:49:01



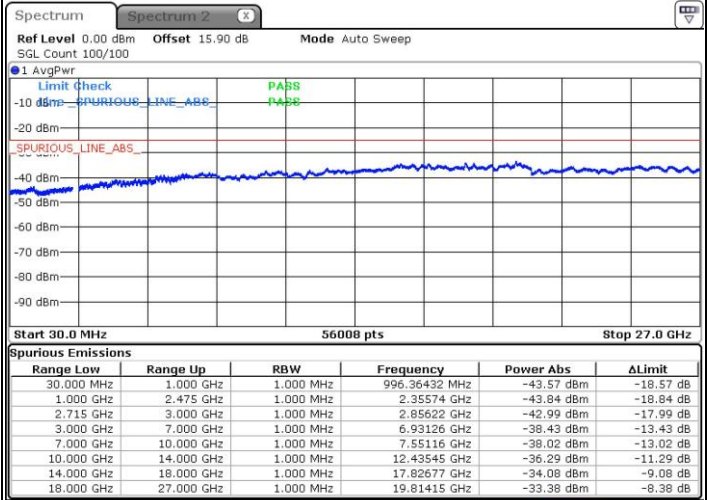
## LTE Band 41 / 20MHz

## Lowest Channel / 64QAM



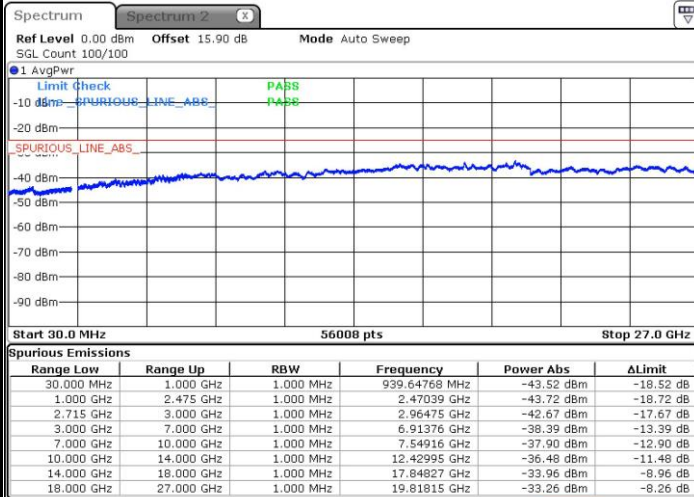
Date: 20 OCT 2018 21:49:46

## Middle Channel / 64QAM



Date: 20 OCT 2018 21:50:30

## Highest Channel / 64QAM



Date: 20 OCT 2018 21:51:15

## Frequency Stability

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0006                              | PASS    |
| 40               | Normal Voltage    | 0.0085                              |         |
| 30               | Normal Voltage    | 0.0076                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0086                              |         |
| 0                | Normal Voltage    | 0.0008                              |         |
| -10              | Normal Voltage    | 0.0083                              |         |
| -20              | Normal Voltage    | 0.0078                              |         |
| -30              | Normal Voltage    | 0.0006                              |         |
| 20               | Maximum Voltage   | 0.0083                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0086                              |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

**Appendix B. Test Results of ERP/EIRP and Radiated Test****ERP/EIRP**

| LTE Band 2 / 1.4MHz (Average) (GT - LC = -0.6 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 3    | 1      | 24.66       | 0.2924        | 24.06     | 0.2547  |
| Middle                                            |           | 3    | 1      | 24.58       | 0.2871        | 23.98     | 0.2500  |
| Highest                                           |           | 3    | 1      | 24.15       | 0.2600        | 23.55     | 0.2265  |
| Lowest                                            | 16QAM     | 3    | 1      | 23.58       | 0.2280        | 22.98     | 0.1986  |
| Middle                                            |           | 3    | 1      | 23.72       | 0.2355        | 23.12     | 0.2051  |
| Highest                                           |           | 3    | 1      | 22.93       | 0.1963        | 22.33     | 0.1710  |
| Lowest                                            | 64QAM     | 1    | 3      | 22.94       | 0.1968        | 22.34     | 0.1714  |
| Middle                                            |           | 1    | 3      | 22.65       | 0.1841        | 22.05     | 0.1603  |
| Highest                                           |           | 1    | 3      | 22.41       | 0.1742        | 21.81     | 0.1517  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 3MHz (Average) (GT - LC = -0.6 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 24.64       | 0.2911        | 24.04     | 0.2535  |
| Middle                                          |           | 1    | 0      | 24.53       | 0.2838        | 23.93     | 0.2472  |
| Highest                                         |           | 1    | 0      | 24.00       | 0.2512        | 23.40     | 0.2188  |
| Lowest                                          | 16QAM     | 1    | 0      | 23.88       | 0.2443        | 23.28     | 0.2128  |
| Middle                                          |           | 1    | 0      | 23.46       | 0.2218        | 22.86     | 0.1932  |
| Highest                                         |           | 1    | 0      | 23.51       | 0.2244        | 22.91     | 0.1954  |
| Lowest                                          | 64QAM     | 1    | 14     | 22.78       | 0.1897        | 22.18     | 0.1652  |
| Middle                                          |           | 1    | 14     | 22.65       | 0.1841        | 22.05     | 0.1603  |
| Highest                                         |           | 1    | 14     | 22.22       | 0.1667        | 21.62     | 0.1452  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 5MHz (Average) (GT - LC = -0.6 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 12     | 24.53       | 0.2838        | 23.93     | 0.2472  |
| Middle                                          |           | 1    | 12     | 24.51       | 0.2825        | 23.91     | 0.2460  |
| Highest                                         |           | 1    | 12     | 24.19       | 0.2624        | 23.59     | 0.2286  |
| Lowest                                          | 16QAM     | 1    | 24     | 23.72       | 0.2355        | 23.12     | 0.2051  |
| Middle                                          |           | 1    | 24     | 24.00       | 0.2512        | 23.40     | 0.2188  |
| Highest                                         |           | 1    | 24     | 23.54       | 0.2259        | 22.94     | 0.1968  |
| Lowest                                          | 64QAM     | 1    | 0      | 22.92       | 0.1959        | 22.32     | 0.1706  |
| Middle                                          |           | 1    | 0      | 22.91       | 0.1954        | 22.31     | 0.1702  |
| Highest                                         |           | 1    | 0      | 22.18       | 0.1652        | 21.58     | 0.1439  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 2 / 10MHz (Average) (GT - LC = -0.6 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 24.66       | 0.2924        | 24.06     | 0.2547  |
| Middle                                           |           | 1    | 0      | 24.54       | 0.2844        | 23.94     | 0.2477  |
| Highest                                          |           | 1    | 0      | 24.07       | 0.2553        | 23.47     | 0.2223  |
| Lowest                                           | 16QAM     | 1    | 0      | 23.88       | 0.2443        | 23.28     | 0.2128  |
| Middle                                           |           | 1    | 0      | 23.71       | 0.2350        | 23.11     | 0.2046  |
| Highest                                          |           | 1    | 0      | 23.34       | 0.2158        | 22.74     | 0.1879  |
| Lowest                                           | 64QAM     | 1    | 0      | 22.99       | 0.1991        | 22.39     | 0.1734  |
| Middle                                           |           | 1    | 0      | 22.88       | 0.1941        | 22.28     | 0.1690  |
| Highest                                          |           | 1    | 0      | 22.42       | 0.1746        | 21.82     | 0.1521  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 15MHz (Average) (GT - LC = -0.6 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 24.63       | 0.2904        | 24.03     | 0.2529  |
| Middle                                           |           | 1    | 0      | 24.51       | 0.2825        | 23.91     | 0.2460  |
| Highest                                          |           | 1    | 0      | 24.06       | 0.2547        | 23.46     | 0.2218  |
| Lowest                                           | 16QAM     | 1    | 0      | 23.96       | 0.2489        | 23.36     | 0.2168  |
| Middle                                           |           | 1    | 0      | 24.00       | 0.2512        | 23.40     | 0.2188  |
| Highest                                          |           | 1    | 0      | 23.32       | 0.2148        | 22.72     | 0.1871  |
| Lowest                                           | 64QAM     | 1    | 74     | 22.96       | 0.1977        | 22.36     | 0.1722  |
| Middle                                           |           | 1    | 74     | 22.47       | 0.1766        | 21.87     | 0.1538  |
| Highest                                          |           | 1    | 74     | 22.37       | 0.1726        | 21.77     | 0.1503  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 20MHz (Average) (GT - LC = -0.6 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 24.67       | 0.2931        | 24.07     | 0.2553  |
| Middle                                           |           | 1    | 0      | 24.40       | 0.2754        | 23.80     | 0.2399  |
| Highest                                          |           | 1    | 0      | 24.13       | 0.2588        | 23.53     | 0.2254  |
| Lowest                                           | 16QAM     | 1    | 0      | 23.82       | 0.2410        | 23.22     | 0.2099  |
| Middle                                           |           | 1    | 0      | 23.89       | 0.2449        | 23.29     | 0.2133  |
| Highest                                          |           | 1    | 0      | 23.46       | 0.2218        | 22.86     | 0.1932  |
| Lowest                                           | 64QAM     | 1    | 99     | 22.88       | 0.1941        | 22.28     | 0.1690  |
| Middle                                           |           | 1    | 99     | 22.43       | 0.1750        | 21.83     | 0.1524  |
| Highest                                          |           | 1    | 99     | 22.38       | 0.1730        | 21.78     | 0.1507  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 1.4MHz (Average) (GT - LC = -1.2 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 3      | 23.72       | 0.2355        | 22.52     | 0.1786  |
| Middle                                            |           | 1    | 3      | 23.63       | 0.2307        | 22.43     | 0.1750  |
| Highest                                           |           | 1    | 3      | 23.50       | 0.2239        | 22.30     | 0.1698  |
| Lowest                                            | 16QAM     | 1    | 3      | 23.07       | 0.2028        | 21.87     | 0.1538  |
| Middle                                            |           | 1    | 3      | 22.95       | 0.1972        | 21.75     | 0.1496  |
| Highest                                           |           | 1    | 3      | 22.83       | 0.1919        | 21.63     | 0.1455  |
| Lowest                                            | 64QAM     | 1    | 3      | 21.99       | 0.1581        | 20.79     | 0.1199  |
| Middle                                            |           | 1    | 3      | 21.90       | 0.1549        | 20.70     | 0.1175  |
| Highest                                           |           | 1    | 3      | 21.74       | 0.1493        | 20.54     | 0.1132  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 3MHz (Average) (GT - LC = -1.2 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 23.72       | 0.2355        | 22.52     | 0.1786  |
| Middle                                          |           | 1    | 0      | 23.64       | 0.2312        | 22.44     | 0.1754  |
| Highest                                         |           | 1    | 0      | 23.55       | 0.2265        | 22.35     | 0.1718  |
| Lowest                                          | 16QAM     | 1    | 8      | 23.08       | 0.2032        | 21.88     | 0.1542  |
| Middle                                          |           | 1    | 8      | 22.96       | 0.1977        | 21.76     | 0.1500  |
| Highest                                         |           | 1    | 8      | 22.79       | 0.1901        | 21.59     | 0.1442  |
| Lowest                                          | 64QAM     | 1    | 0      | 21.97       | 0.1574        | 20.77     | 0.1194  |
| Middle                                          |           | 1    | 0      | 21.84       | 0.1528        | 20.64     | 0.1159  |
| Highest                                         |           | 1    | 0      | 21.76       | 0.1500        | 20.56     | 0.1138  |
| Limit                                           | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 5MHz (Average) (GT - LC = -1.2 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 23.75       | 0.2371        | 22.55     | 0.1799  |
| Middle                                          |           | 1    | 0      | 23.64       | 0.2312        | 22.44     | 0.1754  |
| Highest                                         |           | 1    | 0      | 23.53       | 0.2254        | 22.33     | 0.1710  |
| Lowest                                          | 16QAM     | 1    | 0      | 23.08       | 0.2032        | 21.88     | 0.1542  |
| Middle                                          |           | 1    | 0      | 22.99       | 0.1991        | 21.79     | 0.1510  |
| Highest                                         |           | 1    | 0      | 22.89       | 0.1945        | 21.69     | 0.1476  |
| Lowest                                          | 64QAM     | 1    | 0      | 22.03       | 0.1596        | 20.83     | 0.1211  |
| Middle                                          |           | 1    | 0      | 21.91       | 0.1552        | 20.71     | 0.1178  |
| Highest                                         |           | 1    | 0      | 21.80       | 0.1514        | 20.60     | 0.1148  |
| Limit                                           | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 10MHz (Average) (GT - LC = -1.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 25     | 23.75       | 0.2371        | 22.55     | 0.1799  |
| Middle                                           |           | 1    | 25     | 23.67       | 0.2328        | 22.47     | 0.1766  |
| Highest                                          |           | 1    | 25     | 23.60       | 0.2291        | 22.40     | 0.1738  |
| Lowest                                           | 16QAM     | 1    | 0      | 23.11       | 0.2046        | 21.91     | 0.1552  |
| Middle                                           |           | 1    | 0      | 23.05       | 0.2018        | 21.85     | 0.1531  |
| Highest                                          |           | 1    | 0      | 22.95       | 0.1972        | 21.75     | 0.1496  |
| Lowest                                           | 64QAM     | 1    | 0      | 22.04       | 0.1600        | 20.84     | 0.1213  |
| Middle                                           |           | 1    | 0      | 21.97       | 0.1574        | 20.77     | 0.1194  |
| Highest                                          |           | 1    | 0      | 21.89       | 0.1545        | 20.69     | 0.1172  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 15MHz (Average) (GT - LC = -1.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.75       | 0.2371        | 22.55     | 0.1799  |
| Middle                                           |           | 1    | 0      | 23.71       | 0.2350        | 22.51     | 0.1782  |
| Highest                                          |           | 1    | 0      | 23.63       | 0.2307        | 22.43     | 0.1750  |
| Lowest                                           | 16QAM     | 1    | 0      | 23.07       | 0.2028        | 21.87     | 0.1538  |
| Middle                                           |           | 1    | 0      | 23.01       | 0.2000        | 21.81     | 0.1517  |
| Highest                                          |           | 1    | 0      | 22.98       | 0.1986        | 21.78     | 0.1507  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.97       | 0.1574        | 20.77     | 0.1194  |
| Middle                                           |           | 1    | 0      | 21.92       | 0.1556        | 20.72     | 0.1180  |
| Highest                                          |           | 1    | 0      | 21.87       | 0.1538        | 20.67     | 0.1167  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 20MHz (Average) (GT - LC = -1.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.76       | 0.2377        | 22.56     | 0.1803  |
| Middle                                           |           | 1    | 0      | 23.68       | 0.2333        | 22.48     | 0.1770  |
| Highest                                          |           | 1    | 0      | 23.66       | 0.2323        | 22.46     | 0.1762  |
| Lowest                                           | 16QAM     | 1    | 0      | 23.09       | 0.2037        | 21.89     | 0.1545  |
| Middle                                           |           | 1    | 0      | 23.01       | 0.2000        | 21.81     | 0.1517  |
| Highest                                          |           | 1    | 0      | 22.97       | 0.1982        | 21.77     | 0.1503  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.97       | 0.1574        | 20.77     | 0.1194  |
| Middle                                           |           | 1    | 0      | 21.93       | 0.1560        | 20.73     | 0.1183  |
| Highest                                          |           | 1    | 0      | 21.90       | 0.1549        | 20.70     | 0.1175  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 5 / 1.4MHz (Average) (GT - LC = -5.1 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 3    | 3      | 24.54       | 0.2844        | 17.29    | 0.0536 |
| Middle                                            |          | 3    | 3      | 24.59       | 0.2877        | 17.34    | 0.0542 |
| Highest                                           |          | 3    | 3      | 24.52       | 0.2831        | 17.27    | 0.0533 |
| Lowest                                            | 16QAM    | 1    | 3      | 23.78       | 0.2388        | 16.53    | 0.0450 |
| Middle                                            |          | 1    | 3      | 23.94       | 0.2477        | 16.69    | 0.0467 |
| Highest                                           |          | 1    | 3      | 23.94       | 0.2477        | 16.69    | 0.0467 |
| Lowest                                            | 64QAM    | 1    | 0      | 22.84       | 0.1923        | 15.59    | 0.0362 |
| Middle                                            |          | 1    | 0      | 22.85       | 0.1928        | 15.60    | 0.0363 |
| Highest                                           |          | 1    | 0      | 22.98       | 0.1986        | 15.73    | 0.0374 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 3MHz (Average) (GT - LC = -5.1 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 8      | 24.62       | 0.2897        | 17.37    | 0.0546 |
| Middle                                          |          | 1    | 8      | 24.66       | 0.2924        | 17.41    | 0.0551 |
| Highest                                         |          | 1    | 8      | 24.58       | 0.2871        | 17.33    | 0.0541 |
| Lowest                                          | 16QAM    | 1    | 0      | 23.77       | 0.2382        | 16.52    | 0.0449 |
| Middle                                          |          | 1    | 0      | 23.90       | 0.2455        | 16.65    | 0.0462 |
| Highest                                         |          | 1    | 0      | 24.00       | 0.2512        | 16.75    | 0.0473 |
| Lowest                                          | 64QAM    | 1    | 8      | 23.00       | 0.1995        | 15.75    | 0.0376 |
| Middle                                          |          | 1    | 8      | 22.80       | 0.1905        | 15.55    | 0.0359 |
| Highest                                         |          | 1    | 8      | 22.79       | 0.1901        | 15.54    | 0.0358 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 5MHz (Average) (GT - LC = -5.1 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 0      | 24.66       | 0.2924        | 17.41    | 0.0551 |
| Middle                                          |          | 1    | 0      | 24.55       | 0.2851        | 17.30    | 0.0537 |
| Highest                                         |          | 1    | 0      | 24.66       | 0.2924        | 17.41    | 0.0551 |
| Lowest                                          | 16QAM    | 1    | 24     | 23.98       | 0.2500        | 16.73    | 0.0471 |
| Middle                                          |          | 1    | 24     | 23.88       | 0.2443        | 16.63    | 0.0460 |
| Highest                                         |          | 1    | 24     | 23.88       | 0.2443        | 16.63    | 0.0460 |
| Lowest                                          | 64QAM    | 1    | 12     | 22.72       | 0.1871        | 15.47    | 0.0352 |
| Middle                                          |          | 1    | 12     | 22.93       | 0.1963        | 15.68    | 0.0370 |
| Highest                                         |          | 1    | 12     | 22.98       | 0.1986        | 15.73    | 0.0374 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 5 / 10MHz (Average) (GT - LC = -5.1 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 0      | 24.68       | 0.2938        | 17.43    | 0.0553 |
| Middle                                           |          | 1    | 0      | 24.63       | 0.2904        | 17.38    | 0.0547 |
| Highest                                          |          | 1    | 0      | 24.53       | 0.2838        | 17.28    | 0.0535 |
| Lowest                                           | 16QAM    | 1    | 0      | 23.92       | 0.2466        | 16.67    | 0.0465 |
| Middle                                           |          | 1    | 0      | 24.00       | 0.2512        | 16.75    | 0.0473 |
| Highest                                          |          | 1    | 0      | 23.95       | 0.2483        | 16.70    | 0.0468 |
| Lowest                                           | 64QAM    | 1    | 0      | 22.97       | 0.1982        | 15.72    | 0.0373 |
| Middle                                           |          | 1    | 0      | 23.00       | 0.1995        | 15.75    | 0.0376 |
| Highest                                          |          | 1    | 0      | 22.47       | 0.1766        | 15.22    | 0.0333 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 12 / 1.4MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 3      | 24.46       | 0.2793        | 18.31    | 0.0678 |
| Middle                                           |          | 1    | 3      | 24.77       | 0.2999        | 18.62    | 0.0728 |
| Highest                                          |          | 1    | 3      | 24.58       | 0.2871        | 18.43    | 0.0697 |
| Lowest                                           | 16QAM    | 1    | 5      | 24.00       | 0.2512        | 17.85    | 0.0610 |
| Middle                                           |          | 1    | 5      | 23.94       | 0.2477        | 17.79    | 0.0601 |
| Highest                                          |          | 1    | 5      | 23.58       | 0.2280        | 17.43    | 0.0553 |
| Lowest                                           | 64QAM    | 3    | 1      | 22.80       | 0.1905        | 16.65    | 0.0462 |
| Middle                                           |          | 3    | 1      | 23.00       | 0.1995        | 16.85    | 0.0484 |
| Highest                                          |          | 3    | 1      | 22.83       | 0.1919        | 16.68    | 0.0466 |
| Limit                                            | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 12 / 3MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                        | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                         | QPSK     | 1    | 0      | 24.46       | 0.2793        | 18.31    | 0.0678 |
| Middle                                         |          | 1    | 0      | 24.58       | 0.2871        | 18.43    | 0.0697 |
| Highest                                        |          | 1    | 0      | 24.95       | 0.3126        | 18.80    | 0.0759 |
| Lowest                                         | 16QAM    | 1    | 0      | 23.88       | 0.2443        | 17.73    | 0.0593 |
| Middle                                         |          | 1    | 0      | 23.99       | 0.2506        | 17.84    | 0.0608 |
| Highest                                        |          | 1    | 0      | 23.96       | 0.2489        | 17.81    | 0.0604 |
| Lowest                                         | 64QAM    | 1    | 0      | 22.67       | 0.1849        | 16.52    | 0.0449 |
| Middle                                         |          | 1    | 0      | 22.94       | 0.1968        | 16.79    | 0.0478 |
| Highest                                        |          | 1    | 0      | 22.98       | 0.1986        | 16.83    | 0.0482 |
| Limit                                          | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 12 / 5MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                        | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                         | QPSK     | 1    | 12     | 24.60       | 0.2884        | 18.45    | 0.0700 |
| Middle                                         |          | 1    | 12     | 24.84       | 0.3048        | 18.69    | 0.0740 |
| Highest                                        |          | 1    | 12     | 24.95       | 0.3126        | 18.80    | 0.0759 |
| Lowest                                         | 16QAM    | 1    | 24     | 23.95       | 0.2483        | 17.80    | 0.0603 |
| Middle                                         |          | 1    | 24     | 23.98       | 0.2500        | 17.83    | 0.0607 |
| Highest                                        |          | 1    | 24     | 23.95       | 0.2483        | 17.80    | 0.0603 |
| Lowest                                         | 64QAM    | 1    | 0      | 22.94       | 0.1968        | 16.79    | 0.0478 |
| Middle                                         |          | 1    | 0      | 22.93       | 0.1963        | 16.78    | 0.0476 |
| Highest                                        |          | 1    | 0      | 22.99       | 0.1991        | 16.84    | 0.0483 |
| Limit                                          | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 12 / 10MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 49     | 24.66       | 0.2924        | 18.51    | 0.0710 |
| Middle                                          |          | 1    | 49     | 24.96       | 0.3133        | 18.81    | 0.0760 |
| Highest                                         |          | 1    | 49     | 24.59       | 0.2877        | 18.44    | 0.0698 |
| Lowest                                          | 16QAM    | 1    | 0      | 24.00       | 0.2512        | 17.85    | 0.0610 |
| Middle                                          |          | 1    | 0      | 23.97       | 0.2495        | 17.82    | 0.0605 |
| Highest                                         |          | 1    | 0      | 23.88       | 0.2443        | 17.73    | 0.0593 |
| Lowest                                          | 64QAM    | 1    | 49     | 22.69       | 0.1858        | 16.54    | 0.0451 |
| Middle                                          |          | 1    | 49     | 22.82       | 0.1914        | 16.67    | 0.0465 |
| Highest                                         |          | 1    | 49     | 23.00       | 0.1995        | 16.85    | 0.0484 |
| Limit                                           | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 13 / 5MHz (Average) (GT - LC = -5 dB) |          |      |        |             |               |          |        |
|------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                        | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                         | QPSK     | 1    | 12     | 24.43       | 0.2773        | 17.28    | 0.0535 |
| Middle                                         |          | 1    | 12     | 24.29       | 0.2685        | 17.14    | 0.0518 |
| Highest                                        |          | 1    | 12     | 24.26       | 0.2667        | 17.11    | 0.0514 |
| Lowest                                         | 16QAM    | 1    | 12     | 23.48       | 0.2228        | 16.33    | 0.0430 |
| Middle                                         |          | 1    | 12     | 23.49       | 0.2234        | 16.34    | 0.0431 |
| Highest                                        |          | 1    | 12     | 23.44       | 0.2208        | 16.29    | 0.0426 |
| Lowest                                         | 64QAM    | 1    | 0      | 22.21       | 0.1663        | 15.06    | 0.0321 |
| Middle                                         |          | 1    | 0      | 22.49       | 0.1774        | 15.34    | 0.0342 |
| Highest                                        |          | 1    | 0      | 22.48       | 0.1770        | 15.33    | 0.0341 |
| Limit                                          | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 13 / 10MHz (Average) (GT - LC = -5 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | -    | -      | -           | -             | -        | -      |
| Middle                                          |          | 1    | 0      | 24.46       | 0.2793        | 17.31    | 0.0538 |
| Highest                                         |          | -    | -      | -           | -             | -        | -      |
| Lowest                                          | 16QAM    | -    | -      | -           | -             | -        | -      |
| Middle                                          |          | 1    | 25     | 23.48       | 0.2228        | 16.33    | 0.0430 |
| Highest                                         |          | -    | -      | -           | -             | -        | -      |
| Lowest                                          | 64QAM    | -    | -      | -           | -             | -        | -      |
| Middle                                          |          | 1    | 25     | 22.43       | 0.1750        | 15.28    | 0.0337 |
| Highest                                         |          | -    | -      | -           | -             | -        | -      |
| Limit                                           | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 17 / 5MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                        | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                         | QPSK     | 1    | 0      | 24.90       | 0.3090        | 18.75    | 0.0750 |
| Middle                                         |          | 1    | 0      | 24.78       | 0.3006        | 18.63    | 0.0729 |
| Highest                                        |          | 1    | 0      | 24.98       | 0.3148        | 18.83    | 0.0764 |
| Lowest                                         | 16QAM    | 1    | 12     | 23.88       | 0.2443        | 17.73    | 0.0593 |
| Middle                                         |          | 1    | 12     | 24.00       | 0.2512        | 17.85    | 0.0610 |
| Highest                                        |          | 1    | 12     | 23.92       | 0.2466        | 17.77    | 0.0598 |
| Lowest                                         | 64QAM    | 1    | 12     | 22.98       | 0.1986        | 16.83    | 0.0482 |
| Middle                                         |          | 1    | 12     | 22.91       | 0.1954        | 16.76    | 0.0474 |
| Highest                                        |          | 1    | 12     | 22.84       | 0.1923        | 16.69    | 0.0467 |
| Limit                                          | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 17 / 10MHz (Average) (GT - LC = -4 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 0      | 24.76       | 0.2992        | 18.61    | 0.0726 |
| Middle                                          |          | 1    | 0      | 24.79       | 0.3013        | 18.64    | 0.0731 |
| Highest                                         |          | 1    | 0      | 24.99       | 0.3155        | 18.84    | 0.0766 |
| Lowest                                          | 16QAM    | 1    | 0      | 23.86       | 0.2432        | 17.71    | 0.0590 |
| Middle                                          |          | 1    | 0      | 23.88       | 0.2443        | 17.73    | 0.0593 |
| Highest                                         |          | 1    | 0      | 24.00       | 0.2512        | 17.85    | 0.0610 |
| Lowest                                          | 64QAM    | 1    | 0      | 22.93       | 0.1963        | 16.78    | 0.0476 |
| Middle                                          |          | 1    | 0      | 22.94       | 0.1968        | 16.79    | 0.0478 |
| Highest                                         |          | 1    | 0      | 22.99       | 0.1991        | 16.84    | 0.0483 |
| Limit                                           | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 41 / 5MHz (Average) (GT - LC = -1.8 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 24.37       | 0.2735        | 22.57     | 0.1807  |
| Middle                                           |           | 1    | 0      | 24.44       | 0.2780        | 22.64     | 0.1837  |
| Highest                                          |           | 1    | 0      | 24.32       | 0.2704        | 22.52     | 0.1786  |
| Lowest                                           | 16QAM     | 1    | 12     | 23.48       | 0.2228        | 21.68     | 0.1472  |
| Middle                                           |           | 1    | 12     | 23.57       | 0.2275        | 21.77     | 0.1503  |
| Highest                                          |           | 1    | 12     | 23.43       | 0.2203        | 21.63     | 0.1455  |
| Lowest                                           | 64QAM     | 1    | 0      | 22.19       | 0.1656        | 20.39     | 0.1094  |
| Middle                                           |           | 1    | 0      | 22.33       | 0.1710        | 20.53     | 0.1130  |
| Highest                                          |           | 1    | 0      | 22.19       | 0.1656        | 20.39     | 0.1094  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 41 / 10MHz (Average) (GT - LC = -1.8 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 49     | 24.39       | 0.2748        | 22.59     | 0.1816  |
| Middle                                            |           | 1    | 49     | 24.49       | 0.2812        | 22.69     | 0.1858  |
| Highest                                           |           | 1    | 49     | 24.29       | 0.2685        | 22.49     | 0.1774  |
| Lowest                                            | 16QAM     | 1    | 0      | 23.54       | 0.2259        | 21.74     | 0.1493  |
| Middle                                            |           | 1    | 0      | 23.62       | 0.2301        | 21.82     | 0.1521  |
| Highest                                           |           | 1    | 0      | 23.47       | 0.2223        | 21.67     | 0.1469  |
| Lowest                                            | 64QAM     | 1    | 0      | 22.30       | 0.1698        | 20.50     | 0.1122  |
| Middle                                            |           | 1    | 0      | 22.36       | 0.1722        | 20.56     | 0.1138  |
| Highest                                           |           | 1    | 0      | 22.21       | 0.1663        | 20.41     | 0.1099  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 41 / 15MHz (Average) (GT - LC = -1.8 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 24.46       | 0.2793        | 22.66     | 0.1845  |
| Middle                                            |           | 1    | 0      | 24.53       | 0.2838        | 22.73     | 0.1875  |
| Highest                                           |           | 1    | 0      | 24.46       | 0.2793        | 22.66     | 0.1845  |
| Lowest                                            | 16QAM     | 1    | 0      | 23.57       | 0.2275        | 21.77     | 0.1503  |
| Middle                                            |           | 1    | 0      | 23.62       | 0.2301        | 21.82     | 0.1521  |
| Highest                                           |           | 1    | 0      | 23.58       | 0.2280        | 21.78     | 0.1507  |
| Lowest                                            | 64QAM     | 1    | 0      | 22.31       | 0.1702        | 20.51     | 0.1125  |
| Middle                                            |           | 1    | 0      | 22.38       | 0.1730        | 20.58     | 0.1143  |
| Highest                                           |           | 1    | 0      | 22.30       | 0.1698        | 20.50     | 0.1122  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 41 / 20MHz (Average) (GT - LC = -1.8 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 24.47       | 0.2799        | 22.67     | 0.1849  |
| Middle                                            |           | 1    | 0      | 24.52       | 0.2831        | 22.72     | 0.1871  |
| Highest                                           |           | 1    | 0      | 24.45       | 0.2786        | 22.65     | 0.1841  |
| Lowest                                            | 16QAM     | 1    | 0      | 23.62       | 0.2301        | 21.82     | 0.1521  |
| Middle                                            |           | 1    | 0      | 23.64       | 0.2312        | 21.84     | 0.1528  |
| Highest                                           |           | 1    | 0      | 23.59       | 0.2286        | 21.79     | 0.1510  |
| Lowest                                            | 64QAM     | 1    | 0      | 22.31       | 0.1702        | 20.51     | 0.1125  |
| Middle                                            |           | 1    | 0      | 22.40       | 0.1738        | 20.60     | 0.1148  |
| Highest                                           |           | 1    | 0      | 22.32       | 0.1706        | 20.52     | 0.1127  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 26 / 1.4MHz (Average) (GT - LC = -5.5 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 1    | 3      | 24.53       | 0.2838        | 16.88    | 0.0488 |
| Middle                                             |          | 1    | 3      | 24.55       | 0.2851        | 16.90    | 0.0490 |
| Highest                                            |          | 1    | 3      | 24.44       | 0.2780        | 16.79    | 0.0478 |
| Lowest                                             | 16QAM    | 1    | 3      | 24.00       | 0.2512        | 16.35    | 0.0432 |
| Middle                                             |          | 1    | 3      | 23.97       | 0.2495        | 16.32    | 0.0429 |
| Highest                                            |          | 1    | 3      | 23.99       | 0.2506        | 16.34    | 0.0431 |
| Lowest                                             | 64QAM    | 3    | 1      | 22.81       | 0.1910        | 15.16    | 0.0328 |
| Middle                                             |          | 3    | 1      | 22.78       | 0.1897        | 15.13    | 0.0326 |
| Highest                                            |          | 3    | 1      | 22.59       | 0.1816        | 14.94    | 0.0312 |
| Limit                                              | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 26 / 3MHz (Average) (GT - LC = -5.5 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 0      | 24.53       | 0.2838        | 16.88    | 0.0488 |
| Middle                                           |          | 1    | 0      | 24.55       | 0.2851        | 16.90    | 0.0490 |
| Highest                                          |          | 1    | 0      | 24.52       | 0.2831        | 16.87    | 0.0486 |
| Lowest                                           | 16QAM    | 1    | 8      | 23.96       | 0.2489        | 16.31    | 0.0428 |
| Middle                                           |          | 1    | 8      | 23.91       | 0.2460        | 16.26    | 0.0423 |
| Highest                                          |          | 1    | 8      | 23.65       | 0.2317        | 16.00    | 0.0398 |
| Lowest                                           | 64QAM    | 1    | 14     | 22.86       | 0.1932        | 15.21    | 0.0332 |
| Middle                                           |          | 1    | 14     | 22.99       | 0.1991        | 15.34    | 0.0342 |
| Highest                                          |          | 1    | 14     | 22.80       | 0.1905        | 15.15    | 0.0327 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 26 / 5MHz (Average) (GT - LC = -5.5 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 0      | 24.50       | 0.2818        | 16.85    | 0.0484 |
| Middle                                           |          | 1    | 0      | 24.55       | 0.2851        | 16.90    | 0.0490 |
| Highest                                          |          | 1    | 0      | 24.55       | 0.2851        | 16.90    | 0.0490 |
| Lowest                                           | 16QAM    | 1    | 0      | 23.99       | 0.2506        | 16.34    | 0.0431 |
| Middle                                           |          | 1    | 0      | 23.97       | 0.2495        | 16.32    | 0.0429 |
| Highest                                          |          | 1    | 0      | 23.95       | 0.2483        | 16.30    | 0.0427 |
| Lowest                                           | 64QAM    | 1    | 0      | 22.60       | 0.1820        | 14.95    | 0.0313 |
| Middle                                           |          | 1    | 0      | 22.62       | 0.1828        | 14.97    | 0.0314 |
| Highest                                          |          | 1    | 0      | 22.38       | 0.1730        | 14.73    | 0.0297 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 26 / 10MHz (Average) (GT - LC = -5.5 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 0      | 24.39       | 0.2748        | 16.74    | 0.0472 |
| Middle                                            |          | 1    | 0      | 24.38       | 0.2742        | 16.73    | 0.0471 |
| Highest                                           |          | 1    | 0      | 24.55       | 0.2851        | 16.90    | 0.0490 |
| Lowest                                            | 16QAM    | 1    | 0      | 23.67       | 0.2328        | 16.02    | 0.0400 |
| Middle                                            |          | 1    | 0      | 23.92       | 0.2466        | 16.27    | 0.0424 |
| Highest                                           |          | 1    | 0      | 23.57       | 0.2275        | 15.92    | 0.0391 |
| Lowest                                            | 64QAM    | 1    | 0      | 22.86       | 0.1932        | 15.21    | 0.0332 |
| Middle                                            |          | 1    | 0      | 22.59       | 0.1816        | 14.94    | 0.0312 |
| Highest                                           |          | 1    | 0      | 22.66       | 0.1845        | 15.01    | 0.0317 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 26 / 15MHz (Average) (GT - LC = -5.5 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 0      | 24.56       | 0.2858        | 16.91    | 0.0491 |
| Middle                                            |          | 1    | 0      | 24.55       | 0.2851        | 16.90    | 0.0490 |
| Highest                                           |          | 1    | 0      | 24.51       | 0.2825        | 16.86    | 0.0485 |
| Lowest                                            | 16QAM    | 1    | 37     | 23.50       | 0.2239        | 15.85    | 0.0385 |
| Middle                                            |          | 1    | 37     | 23.66       | 0.2323        | 16.01    | 0.0399 |
| Highest                                           |          | 1    | 37     | 23.96       | 0.2489        | 16.31    | 0.0428 |
| Lowest                                            | 64QAM    | 1    | 0      | 22.88       | 0.1941        | 15.23    | 0.0333 |
| Middle                                            |          | 1    | 0      | 22.98       | 0.1986        | 15.33    | 0.0341 |
| Highest                                           |          | 1    | 0      | 22.68       | 0.1854        | 15.03    | 0.0318 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 38 / 5MHz (Peak) (GT - LC = 1.2 dB) |           |      |        |             |               |           |         |
|----------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                      | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                              |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                       | QPSK      | 1    | 0      | 25.06       | 0.3206        | 26.26     | 0.4227  |
| Middle                                       |           | 1    | 0      | 25.26       | 0.3357        | 26.46     | 0.4426  |
| Highest                                      |           | 1    | 0      | 25.16       | 0.3281        | 26.36     | 0.4325  |
| Lowest                                       | 16QAM     | 1    | 24     | 24.24       | 0.2655        | 25.44     | 0.3499  |
| Middle                                       |           | 1    | 24     | 24.39       | 0.2748        | 25.59     | 0.3622  |
| Highest                                      |           | 1    | 24     | 24.32       | 0.2704        | 25.52     | 0.3565  |
| Lowest                                       | 64QAM     | 1    | 24     | 22.95       | 0.1972        | 24.15     | 0.2600  |
| Middle                                       |           | 1    | 24     | 23.12       | 0.2051        | 24.32     | 0.2704  |
| Highest                                      |           | 1    | 24     | 23.07       | 0.2028        | 24.27     | 0.2673  |
| Limit                                        | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 38 / 10MHz (Peak) (GT - LC = 1.2 dB) |           |      |        |             |               |           |         |
|-----------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                       | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                               |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                        | QPSK      | 1    | 49     | 25.16       | 0.3281        | 26.36     | 0.4325  |
| Middle                                        |           | 1    | 49     | 25.29       | 0.3381        | 26.49     | 0.4457  |
| Highest                                       |           | 1    | 49     | 25.24       | 0.3342        | 26.44     | 0.4406  |
| Lowest                                        | 16QAM     | 1    | 49     | 24.28       | 0.2679        | 25.48     | 0.3532  |
| Middle                                        |           | 1    | 49     | 24.39       | 0.2748        | 25.59     | 0.3622  |
| Highest                                       |           | 1    | 49     | 24.32       | 0.2704        | 25.52     | 0.3565  |
| Lowest                                        | 64QAM     | 1    | 0      | 22.97       | 0.1982        | 24.17     | 0.2612  |
| Middle                                        |           | 1    | 0      | 23.13       | 0.2056        | 24.33     | 0.2710  |
| Highest                                       |           | 1    | 0      | 23.07       | 0.2028        | 24.27     | 0.2673  |
| Limit                                         | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 38 / 15MHz (Peak) (GT - LC = 1.2 dB) |           |      |        |             |               |           |         |
|-----------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                       | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                               |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                        | QPSK      | 1    | 0      | 25.15       | 0.3273        | 26.35     | 0.4315  |
| Middle                                        |           | 1    | 0      | 25.27       | 0.3365        | 26.47     | 0.4436  |
| Highest                                       |           | 1    | 0      | 25.29       | 0.3381        | 26.49     | 0.4457  |
| Lowest                                        | 16QAM     | 1    | 74     | 24.44       | 0.2780        | 25.64     | 0.3664  |
| Middle                                        |           | 1    | 74     | 24.46       | 0.2793        | 25.66     | 0.3681  |
| Highest                                       |           | 1    | 74     | 24.37       | 0.2735        | 25.57     | 0.3606  |
| Lowest                                        | 64QAM     | 1    | 74     | 23.15       | 0.2065        | 24.35     | 0.2723  |
| Middle                                        |           | 1    | 74     | 23.19       | 0.2084        | 24.39     | 0.2748  |
| Highest                                       |           | 1    | 74     | 23.11       | 0.2046        | 24.31     | 0.2698  |
| Limit                                         | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 38 / 20MHz (Peak) (GT - LC = 1.2 dB) |           |      |        |             |               |           |         |
|-----------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                       | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                               |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                        | QPSK      | 1    | 0      | 25.07       | 0.3214        | 26.27     | 0.4236  |
| Middle                                        |           | 1    | 0      | 25.30       | 0.3388        | 26.50     | 0.4467  |
| Highest                                       |           | 1    | 0      | 25.26       | 0.3357        | 26.46     | 0.4426  |
| Lowest                                        | 16QAM     | 1    | 99     | 24.37       | 0.2735        | 25.57     | 0.3606  |
| Middle                                        |           | 1    | 99     | 24.40       | 0.2754        | 25.60     | 0.3631  |
| Highest                                       |           | 1    | 99     | 24.31       | 0.2698        | 25.51     | 0.3556  |
| Lowest                                        | 64QAM     | 1    | 99     | 23.09       | 0.2037        | 24.29     | 0.2685  |
| Middle                                        |           | 1    | 99     | 23.13       | 0.2056        | 24.33     | 0.2710  |
| Highest                                       |           | 1    | 99     | 23.05       | 0.2018        | 24.25     | 0.2661  |
| Limit                                         | EIRP < 2W |      |        | Result      |               | PASS      |         |

**Radiated Spurious Emission**

&lt;For Sample 1&gt;

&lt;Adapter 1&gt;

**LTE Band 2**

| LTE Band 2 / 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                    | 3702                 | -50.41          | -13              | -37.41                  | -67.35                  | -62.2                    | 0.72                       | 12.52                       | H                     |
|                           | 5556                 | -49.43          | -13              | -36.43                  | -70.78                  | -61.6                    | 1.00                       | 13.17                       | H                     |
|                           | 7404                 | -51.11          | -13              | -38.11                  | -76.05                  | -60.5                    | 1.18                       | 10.57                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3702                 | -49.01          | -13              | -36.01                  | -66.99                  | -60.8                    | 0.72                       | 12.52                       | V                     |
|                           | 5556                 | -49.63          | -13              | -36.63                  | -71.2                   | -61.8                    | 1.00                       | 13.17                       | V                     |
|                           | 7404                 | -51.71          | -13              | -38.71                  | -76.62                  | -61.1                    | 1.18                       | 10.57                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |       |      |       |   |
|---------|------|--------|-----|--------|--------|-------|------|-------|---|
| Middle  | 3744 | -49.00 | -13 | -36.00 | -66.06 | -60.8 | 0.70 | 12.50 | H |
|         | 5616 | -53.75 | -13 | -40.75 | -74.71 | -65.9 | 0.98 | 13.13 | H |
|         | 7488 | -52.66 | -13 | -39.66 | -77.41 | -61.9 | 1.18 | 10.42 | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         | 3744 | -49.70 | -13 | -36.70 | -67.56 | -61.5 | 0.70 | 12.50 | V |
|         | 5616 | -52.05 | -13 | -39.05 | -73.73 | -64.2 | 0.98 | 13.13 | V |
|         | 7488 | -52.76 | -13 | -39.76 | -77.28 | -62   | 1.18 | 10.42 | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
| Highest | 3780 | -52.49 | -13 | -39.49 | -69.27 | -64.3 | 0.68 | 12.49 | H |
|         | 5676 | -53.39 | -13 | -40.39 | -74.9  | -65.5 | 0.99 | 13.09 | H |
|         | 7566 | -51.80 | -13 | -38.80 | -76.45 | -61.2 | 1.18 | 10.58 | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         | 3780 | -53.79 | -13 | -40.79 | -72.22 | -65.6 | 0.68 | 12.49 | V |
|         | 5676 | -53.49 | -13 | -40.49 | -75.1  | -65.6 | 0.99 | 13.09 | V |
|         | 7566 | -52.00 | -13 | -39.00 | -76.69 | -61.4 | 1.18 | 10.58 | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |

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

**LTE Band 4**

| 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                    | 3420                 | -45.61          | -13              | -32.61                  | -62.29                  | -57.2                    | 0.77                       | 12.36                       | H                     |
|                           | 5136                 | -27.60          | -13              | -14.60                  | -48.06                  | -39.1                    | 0.97                       | 12.47                       | H                     |
|                           | 8556                 | -40.98          | -13              | -27.98                  | -67.98                  | -51.6                    | 1.36                       | 11.98                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3420                 | -52.61          | -13              | -39.61                  | -69.26                  | -64.2                    | 0.77                       | 12.36                       | V                     |
|                           | 5136                 | -29.70          | -13              | -16.70                  | -50.13                  | -41.2                    | 0.97                       | 12.47                       | V                     |
|                           | 8556                 | -40.68          | -13              | -27.68                  | -67.22                  | -51.3                    | 1.36                       | 11.98                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 3450                 | -52.53          | -13              | -39.53                  | -69.74                  | -64.2                    | 0.78                       | 12.45                       | H                     |
|                           | 5172                 | -33.74          | -13              | -20.74                  | -54.36                  | -45.3                    | 0.98                       | 12.54                       | H                     |
|                           | 8616                 | -45.12          | -13              | -32.12                  | -72.65                  | -55.8                    | 1.39                       | 12.06                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3450                 | -51.93          | -13              | -38.93                  | -68.94                  | -63.6                    | 0.78                       | 12.45                       | V                     |
|                           | 5172                 | -33.94          | -13              | -20.94                  | -54.21                  | -45.5                    | 0.98                       | 12.54                       | V                     |
|                           | 8616                 | -45.72          | -13              | -32.72                  | -72.79                  | -56.4                    | 1.39                       | 12.06                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |       |      |       |   |
|---------|------|--------|-----|--------|--------|-------|------|-------|---|
| Highest | 3474 | -48.86 | -13 | -35.86 | -66.57 | -60.6 | 0.78 | 12.52 | H |
|         | 5208 | -31.28 | -13 | -18.28 | -51.99 | -42.9 | 0.99 | 12.62 | H |
|         | 8682 | -41.84 | -13 | -28.84 | -69.07 | -52.6 | 1.39 | 12.15 | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         | 3474 | -50.36 | -13 | -37.36 | -67.85 | -62.1 | 0.78 | 12.52 | V |
|         | 5208 | -33.78 | -13 | -20.78 | -54.29 | -45.4 | 0.99 | 12.62 | V |
|         | 8682 | -42.54 | -13 | -29.54 | -69.33 | -53.3 | 1.39 | 12.15 | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |

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

**LTE Band 5**

| LTE Band 5 / 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                    | 1648                 | -49.35         | -13              | -36.35                  | -58.92                  | -56.3                    | 0.53                       | 9.63                        | H                     |
|                           | 2472                 | -34.42         | -13              | -21.42                  | -47.37                  | -42.4                    | 0.65                       | 10.78                       | H                     |
|                           | 4120                 | -47.86         | -13              | -34.86                  | -65.09                  | -57.2                    | 0.86                       | 12.35                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1648                 | -45.95         | -13              | -32.95                  | -55.42                  | -52.9                    | 0.53                       | 9.63                        | V                     |
|                           | 2472                 | -32.92         | -13              | -19.92                  | -46.69                  | -40.9                    | 0.65                       | 10.78                       | V                     |
|                           | 4120                 | -46.56         | -13              | -33.56                  | -64.77                  | -55.9                    | 0.86                       | 12.35                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 1664                 | -48.72         | -13              | -35.72                  | -58.66                  | -55.7                    | 0.53                       | 9.66                        | H                     |
|                           | 2496                 | -33.91         | -13              | -20.91                  | -47.36                  | -41.9                    | 0.65                       | 10.80                       | H                     |
|                           | 4160                 | -47.86         | -13              | -34.86                  | -65.04                  | -57.2                    | 0.85                       | 12.34                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1664                 | -46.62         | -13              | -33.62                  | -55.81                  | -53.6                    | 0.53                       | 9.66                        | V                     |
|                           | 2496                 | -34.81         | -13              | -21.81                  | -48.21                  | -42.8                    | 0.65                       | 10.80                       | V                     |
|                           | 4160                 | -53.36         | -13              | -40.36                  | -71.73                  | -62.7                    | 0.85                       | 12.34                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |       |      |       |   |
|---------|------|--------|-----|--------|--------|-------|------|-------|---|
| Highest | 1680 | -49.48 | -13 | -36.48 | -58.88 | -56.5 | 0.53 | 9.70  | H |
|         | 2520 | -34.80 | -13 | -21.80 | -48.17 | -42.8 | 0.66 | 10.81 | H |
|         | 4200 | -46.27 | -13 | -33.27 | -63.45 | -55.6 | 0.84 | 12.32 | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         | 1680 | -46.08 | -13 | -33.08 | -55.41 | -53.1 | 0.53 | 9.70  | V |
|         | 2520 | -34.20 | -13 | -21.20 | -47.73 | -42.2 | 0.66 | 10.81 | V |
|         | 4200 | -48.17 | -13 | -35.17 | -66.92 | -57.5 | 0.84 | 12.32 | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |

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

**LTE Band 12**

| 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                     | 1416                 | -50.23         | -13              | -37.23                  | -61.40                  | -56.37                   | 0.50                       | 8.80                        | H                     |
|                            | 2128                 | -43.07         | -13              | -30.07                  | -56.99                  | -50.83                   | 0.59                       | 10.50                       | H                     |
|                            | 2832                 | -59.87         | -13              | -46.87                  | -74.34                  | -68.01                   | 0.71                       | 11.00                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1416                 | -50.96         | -13              | -37.96                  | -61.93                  | -57.10                   | 0.50                       | 8.80                        | V                     |
|                            | 2128                 | -43.31         | -13              | -30.31                  | -57.12                  | -51.07                   | 0.59                       | 10.50                       | V                     |
|                            | 2832                 | -59.34         | -13              | -46.34                  | -74.13                  | -67.48                   | 0.71                       | 11.00                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1424                 | -50.17         | -13              | -37.17                  | -61.47                  | -56.36                   | 0.50                       | 8.84                        | H                     |
|                            | 2136                 | -43.56         | -13              | -30.56                  | -57.48                  | -51.33                   | 0.59                       | 10.51                       | H                     |
|                            | 2848                 | -59.37         | -13              | -46.37                  | -73.89                  | -67.52                   | 0.71                       | 11.01                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1424                 | -50.90         | -13              | -37.90                  | -61.74                  | -57.09                   | 0.50                       | 8.84                        | V                     |
|                            | 2136                 | -42.25         | -13              | -29.25                  | -56.06                  | -50.02                   | 0.59                       | 10.51                       | V                     |
|                            | 2848                 | -59.40         | -13              | -46.40                  | -74.20                  | -67.55                   | 0.71                       | 11.01                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1432 | -43.32 | -13 | -30.32 | -54.63 | -49.56 | 0.50 | 8.89  | H |
|         | 2144 | -43.64 | -13 | -30.64 | -57.85 | -51.41 | 0.59 | 10.52 | H |
|         | 2864 | -59.51 | -13 | -46.51 | -74.08 | -67.66 | 0.72 | 11.02 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1432 | -40.16 | -13 | -27.16 | -51.01 | -46.40 | 0.50 | 8.89  | V |
|         | 2144 | -41.83 | -13 | -28.83 | -55.99 | -49.60 | 0.59 | 10.52 | V |
|         | 2864 | -58.83 | -13 | -45.83 | -73.64 | -66.98 | 0.72 | 11.02 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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

**LTE Band 13**

| 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                    | 1560                 | -58.18         | -42.15           | -16.03                  | -68.57                  | -64.95                   | 0.51                       | 9.43                        | H                     |
|                           | 2336                 | -44.89         | -13              | -31.89                  | -59.04                  | -52.79                   | 0.62                       | 10.67                       | H                     |
|                           | 3120                 | -58.62         | -13              | -45.62                  | -74.14                  | -67.19                   | 0.74                       | 11.46                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1560                 | -56.40         | -42.15           | -14.25                  | -66.22                  | -63.17                   | 0.51                       | 9.43                        | V                     |
|                           | 2336                 | -41.52         | -13              | -28.52                  | -56.19                  | -49.42                   | 0.62                       | 10.67                       | V                     |
|                           | 3120                 | -58.32         | -13              | -45.32                  | -74.07                  | -66.89                   | 0.74                       | 11.46                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                    | 1560                 | -55.96         | -42.15           | -13.81                  | -66.35                  | -62.73                   | 0.51                       | 9.43                        | H                     |
|                           | 2344                 | -44.28         | -13              | -31.28                  | -58.29                  | -52.18                   | 0.62                       | 10.68                       | H                     |
|                           | 3120                 | -58.98         | -13              | -45.98                  | -74.50                  | -67.55                   | 0.74                       | 11.46                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1560                 | -56.26         | -42.15           | -14.11                  | -66.08                  | -63.03                   | 0.51                       | 9.43                        | V                     |
|                           | 2344                 | -39.43         | -13              | -26.43                  | -54.02                  | -47.33                   | 0.62                       | 10.68                       | V                     |
|                           | 3120                 | -58.55         | -13              | -45.55                  | -74.30                  | -67.12                   | 0.74                       | 11.46                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |        |        |        |        |      |       |   |
|---------|------|--------|--------|--------|--------|--------|------|-------|---|
| Highest | 1568 | -57.35 | -42.15 | -15.20 | -67.25 | -64.13 | 0.52 | 9.45  | H |
|         | 2352 | -44.55 | -13    | -31.55 | -58.57 | -52.46 | 0.63 | 10.68 | H |
|         | 3136 | -58.67 | -13    | -45.67 | -74.28 | -67.28 | 0.74 | 11.51 | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         |      |        |        |        |        |        |      |       | H |
|         | 1568 | -57.25 | -42.15 | -15.10 | -66.89 | -64.03 | 0.52 | 9.45  | V |
|         | 2352 | -41.44 | -13    | -28.44 | -56.04 | -49.35 | 0.63 | 10.68 | V |
|         | 3136 | -58.64 | -13    | -45.64 | -74.53 | -67.25 | 0.74 | 11.51 | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | V |
|         |      |        |        |        |        |        |      |       | 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                     | 1560                 | -56.77         | -42.15           | -14.62                  | -67.16                  | -63.54                   | 0.51                       | 9.43                        | H                     |
|                            | 2344                 | -46.96         | -13              | -33.96                  | -60.97                  | -54.86                   | 0.62                       | 10.68                       | H                     |
|                            | 3120                 | -58.66         | -13              | -45.66                  | -74.18                  | -67.23                   | 0.74                       | 11.46                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1560                 | -57.35         | -42.15           | -15.20                  | -67.17                  | -64.12                   | 0.51                       | 9.43                        | V                     |
|                            | 2344                 | -43.00         | -13              | -30.00                  | -57.59                  | -50.9                    | 0.62                       | 10.68                       | V                     |
|                            | 3120                 | -58.41         | -13              | -45.41                  | -74.16                  | -66.98                   | 0.74                       | 11.46                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 17**

| 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                     | 1408                 | -45.29         | -13              | -32.29                  | -56.46                  | -51.39                   | 0.50                       | 8.75                        | H                     |
|                            | 2112                 | -36.88         | -13              | -23.88                  | -50.52                  | -44.63                   | 0.59                       | 10.49                       | H                     |
|                            | 2816                 | -59.75         | -13              | -46.75                  | -74.17                  | -67.88                   | 0.71                       | 10.99                       | H                     |
|                            | 3520                 | -50.29         | -13              | -37.29                  | -66.80                  | -59.95                   | 0.78                       | 12.59                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -47.64         | -13              | -34.64                  | -58.61                  | -53.74                   | 0.50                       | 8.75                        | V                     |
|                            | 2112                 | -42.44         | -13              | -29.44                  | -55.90                  | -50.19                   | 0.59                       | 10.49                       | V                     |
|                            | 2816                 | -59.40         | -13              | -46.40                  | -74.20                  | -67.53                   | 0.71                       | 10.99                       | V                     |
|                            | 3520                 | -52.42         | -13              | -39.42                  | -69.92                  | -62.08                   | 0.78                       | 12.59                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1408                 | -45.91         | -13              | -32.91                  | -57.08                  | -52.01                   | 0.50                       | 8.75                        | H                     |
|                            | 2120                 | -36.36         | -13              | -23.36                  | -50.00                  | -44.11                   | 0.59                       | 10.50                       | H                     |
|                            | 2824                 | -59.53         | -13              | -46.53                  | -73.95                  | -67.67                   | 0.71                       | 10.99                       | H                     |
|                            | 3528                 | -49.88         | -13              | -36.88                  | -66.33                  | -59.54                   | 0.78                       | 12.59                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1408                 | -47.23         | -13              | -34.23                  | -58.20                  | -53.33                   | 0.50                       | 8.75                        | V                     |
|                            | 2120                 | -43.54         | -13              | -30.54                  | -57.00                  | -51.29                   | 0.59                       | 10.50                       | V                     |
|                            | 2824                 | -58.48         | -13              | -45.48                  | -73.28                  | -66.62                   | 0.71                       | 10.99                       | V                     |
|                            | 3528                 | -51.71         | -13              | -38.71                  | -69.18                  | -61.37                   | 0.78                       | 12.59                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1416 | -46.69 | -13 | -33.69 | -57.86 | -52.83 | 0.50 | 8.80  | H |
|         | 2120 | -38.48 | -13 | -25.48 | -52.12 | -46.23 | 0.59 | 10.50 | H |
|         | 2832 | -59.36 | -13 | -46.36 | -73.83 | -67.50 | 0.71 | 11.00 | H |
|         | 3536 | -51.29 | -13 | -38.29 | -67.74 | -60.94 | 0.78 | 12.59 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1416 | -49.61 | -13 | -36.61 | -60.58 | -55.75 | 0.50 | 8.80  | V |
|         | 2120 | -43.97 | -13 | -30.97 | -57.43 | -51.72 | 0.59 | 10.50 | V |
|         | 2832 | -59.19 | -13 | -46.19 | -73.98 | -67.33 | 0.71 | 11.00 | V |
|         | 3536 | -49.84 | -13 | -36.84 | -67.31 | -59.49 | 0.78 | 12.59 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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

**LTE Band 41**

| LTE Band 41 / 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                     | 4994                 | -55.35          | -25              | -30.35                  | -75.81                  | -66.64                   | 0.91                       | 12.20                       | H                     |
|                            | 7494                 | -49.30          | -25              | -24.30                  | -74.21                  | -58.53                   | 1.18                       | 10.41                       | H                     |
|                            | 9988                 | -46.40          | -25              | -21.40                  | -77.17                  | -56.74                   | 1.40                       | 11.73                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 4994                 | -55.08          | -25              | -30.08                  | -75.71                  | -66.37                   | 0.91                       | 12.20                       | V                     |
|                            | 7494                 | -50.62          | -25              | -25.62                  | -75.61                  | -59.85                   | 1.18                       | 10.41                       | V                     |
|                            | 9988                 | -46.76          | -25              | -21.76                  | -77.19                  | -57.1                    | 1.40                       | 11.73                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 5168                 | -55.70          | -25              | -30.70                  | -76.36                  | -67.25                   | 0.98                       | 12.54                       | H                     |
|                            | 7752                 | -50.76          | -25              | -25.76                  | -76.09                  | -60.68                   | 1.19                       | 11.11                       | H                     |
|                            | 10336                | -46.06          | -25              | -21.06                  | -76.68                  | -56.12                   | 1.40                       | 11.46                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5168                 | -55.88          | -25              | -30.88                  | -76.7                   | -67.43                   | 0.98                       | 12.54                       | V                     |
|                            | 7752                 | -50.74          | -25              | -25.74                  | -76.03                  | -60.66                   | 1.19                       | 11.11                       | V                     |
|                            | 10336                | -45.92          | -25              | -20.92                  | -76.35                  | -55.98                   | 1.40                       | 11.46                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 5340  | -56.65 | -25 | -31.65 | -77.73 | -68.48 | 1.05 | 12.88 | H |
|         | 8016  | -49.54 | -25 | -24.54 | -76.35 | -60.14 | 1.20 | 11.80 | H |
|         | 10692 | -46.69 | -25 | -21.69 | -77.03 | -56.04 | 1.43 | 10.79 | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         | 5340  | -56.84 | -25 | -31.84 | -78.03 | -68.67 | 1.05 | 12.88 | V |
|         | 8016  | -49.23 | -25 | -24.23 | -76.17 | -59.83 | 1.20 | 11.80 | V |
|         | 10692 | -46.93 | -25 | -21.93 | -77.15 | -56.28 | 1.43 | 10.79 | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |

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

**LTE Band 38**

| LTE Band 38 / 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                     | 5142                 | -55.22          | -25              | -30.22                  | -75.81                  | -66.73                   | 0.97                       | 12.48                       | H                     |
|                            | 7713                 | -50.71          | -25              | -25.71                  | -76                     | -60.52                   | 1.19                       | 11.00                       | H                     |
|                            | 10284                | -45.46          | -25              | -20.46                  | -76.1                   | -55.63                   | 1.39                       | 11.56                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5142                 | -55.06          | -25              | -30.06                  | -75.82                  | -66.57                   | 0.97                       | 12.48                       | V                     |
|                            | 7713                 | -50.56          | -25              | -25.56                  | -75.75                  | -60.37                   | 1.19                       | 11.00                       | V                     |
|                            | 10284                | -45.74          | -25              | -20.74                  | -76.17                  | -55.91                   | 1.39                       | 11.56                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 5172                 | -55.26          | -25              | -30.26                  | -75.92                  | -66.82                   | 0.98                       | 12.54                       | H                     |
|                            | 7758                 | -50.52          | -25              | -25.52                  | -75.85                  | -60.45                   | 1.19                       | 11.12                       | H                     |
|                            | 10344                | -45.36          | -25              | -20.36                  | -75.98                  | -55.41                   | 1.40                       | 11.45                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5172                 | -55.27          | -25              | -30.27                  | -76.09                  | -66.83                   | 0.98                       | 12.54                       | V                     |
|                            | 7758                 | -50.17          | -25              | -25.17                  | -75.46                  | -60.1                    | 1.19                       | 11.12                       | V                     |
|                            | 10344                | -45.18          | -25              | -20.18                  | -75.61                  | -55.23                   | 1.40                       | 11.45                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 5202  | -55.65 | -25 | -30.65 | -76.37 | -67.26 | 0.99 | 12.60 | H |
|         | 7803  | -50.45 | -25 | -25.45 | -75.95 | -60.51 | 1.19 | 11.25 | H |
|         | 10404 | -45.47 | -25 | -20.47 | -76.07 | -55.4  | 1.41 | 11.33 | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         | 5202  | -55.45 | -25 | -30.45 | -76.33 | -67.06 | 0.99 | 12.60 | V |
|         | 7803  | -50.22 | -25 | -25.22 | -75.74 | -60.28 | 1.19 | 11.25 | V |
|         | 10404 | -45.64 | -25 | -20.64 | -76.08 | -55.57 | 1.41 | 11.33 | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |

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

**LTE Band 26**

| LTE Band 26 / 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                     | 1648                 | -44.25         | -13              | -31.25                  | -54.04                  | -51.2                    | 0.53                       | 9.63                        | H                     |
|                            | 2472                 | -33.92         | -13              | -20.92                  | -47.02                  | -41.9                    | 0.65                       | 10.78                       | H                     |
|                            | 4120                 | -50.86         | -13              | -37.86                  | -67.98                  | -60.2                    | 0.86                       | 12.35                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1648                 | -51.95         | -13              | -38.95                  | -61.49                  | -58.9                    | 0.53                       | 9.63                        | V                     |
|                            | 2472                 | -37.12         | -13              | -24.12                  | -50.69                  | -45.1                    | 0.65                       | 10.78                       | V                     |
|                            | 4120                 | -54.56         | -13              | -41.56                  | -72.56                  | -63.9                    | 0.86                       | 12.35                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1664                 | -44.62         | -13              | -31.62                  | -54.18                  | -51.6                    | 0.53                       | 9.66                        | H                     |
|                            | 2496                 | -33.21         | -13              | -20.21                  | -46.22                  | -41.2                    | 0.65                       | 10.80                       | H                     |
|                            | 4160                 | -49.86         | -13              | -36.86                  | -67.3                   | -59.2                    | 0.85                       | 12.34                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1664                 | -52.72         | -13              | -39.72                  | -61.74                  | -59.7                    | 0.53                       | 9.66                        | V                     |
|                            | 2496                 | -37.21         | -13              | -24.21                  | -50.51                  | -45.2                    | 0.65                       | 10.80                       | V                     |
|                            | 4160                 | -53.46         | -13              | -40.46                  | -71.88                  | -62.8                    | 0.85                       | 12.34                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |        |      |       |   |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 1680 | -43.78 | -13 | -30.78 | -53.38 | -50.8  | 0.53 | 9.70  | H |
|         | 2520 | -30.58 | -13 | -17.58 | -43.51 | -38.58 | 0.66 | 10.81 | H |
|         | 4200 | -51.87 | -13 | -38.87 | -68.96 | -61.2  | 0.84 | 12.32 | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         |      |        |     |        |        |        |      |       | H |
|         | 1680 | -52.58 | -13 | -39.58 | -61.97 | -59.6  | 0.53 | 9.70  | V |
|         | 2520 | -31.70 | -13 | -18.70 | -45.19 | -39.7  | 0.66 | 10.81 | V |
|         | 4200 | -54.87 | -13 | -41.87 | -73.42 | -64.2  | 0.84 | 12.32 | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |
|         |      |        |     |        |        |        |      |       | V |

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



| LTE Band 26 / 15MHz / 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                     | 1648                 | -49.65         | -13              | -36.65                  | -59.28                  | -56.6                    | 0.53                       | 9.63                        | H                     |
|                            | 2472                 | -32.12         | -13              | -19.12                  | -45.32                  | -40.1                    | 0.65                       | 10.78                       | H                     |
|                            | 4128                 | -53.76         | -13              | -40.76                  | -70.58                  | -63.1                    | 0.86                       | 12.35                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1648                 | -58.55         | -13              | -45.55                  | -67.96                  | -65.5                    | 0.53                       | 9.63                        | V                     |
|                            | 2472                 | -39.12         | -13              | -26.12                  | -53.27                  | -47.1                    | 0.65                       | 10.78                       | V                     |
|                            | 4128                 | -55.76         | -13              | -42.76                  | -73.81                  | -65.1                    | 0.86                       | 12.35                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 1656                 | -46.63         | -13              | -33.63                  | -56.64                  | -53.6                    | 0.53                       | 9.64                        | H                     |
|                            | 2488                 | -29.21         | -13              | -16.21                  | -42.32                  | -37.2                    | 0.65                       | 10.79                       | H                     |
|                            | 4152                 | -52.76         | -13              | -39.76                  | -69.84                  | -62.1                    | 0.85                       | 12.34                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1656                 | -55.63         | -13              | -42.63                  | -65.17                  | -62.6                    | 0.53                       | 9.64                        | V                     |
|                            | 2488                 | -34.61         | -13              | -21.61                  | -48.4                   | -42.6                    | 0.65                       | 10.79                       | V                     |
|                            | 4152                 | -54.26         | -13              | -41.26                  | -72.05                  | -63.6                    | 0.85                       | 12.34                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |



|         |      |        |     |        |        |       |      |       |   |
|---------|------|--------|-----|--------|--------|-------|------|-------|---|
| Highest | 1672 | -50.20 | -13 | -37.20 | -59.94 | -57.2 | 0.53 | 9.68  | H |
|         | 2504 | -32.20 | -13 | -19.20 | -45.39 | -40.2 | 0.66 | 10.80 | H |
|         | 4176 | -51.86 | -13 | -38.86 | -68.92 | -61.2 | 0.84 | 12.33 | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         |      |        |     |        |        |       |      |       | H |
|         | 1672 | -59.10 | -13 | -46.10 | -68.58 | -66.1 | 0.53 | 9.68  | V |
|         | 2504 | -38.30 | -13 | -25.30 | -51.49 | -46.3 | 0.66 | 10.80 | V |
|         | 4176 | -55.46 | -13 | -42.46 | -73.45 | -64.8 | 0.84 | 12.33 | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |
|         |      |        |     |        |        |       |      |       | V |

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