

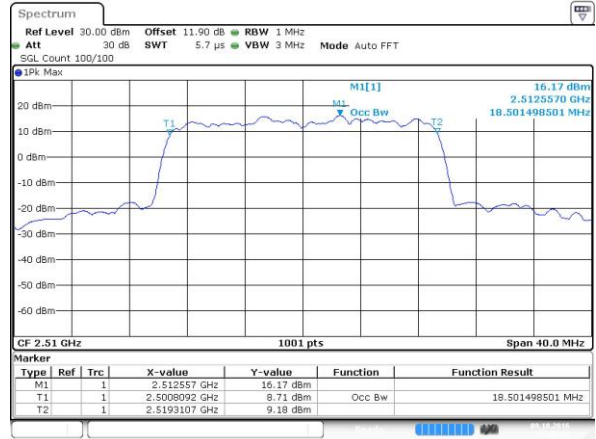


## LTE Band 7

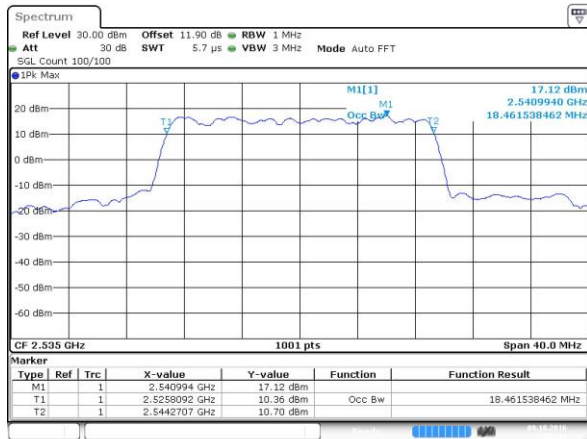
## Lowest Channel / 20MHz / QPSK



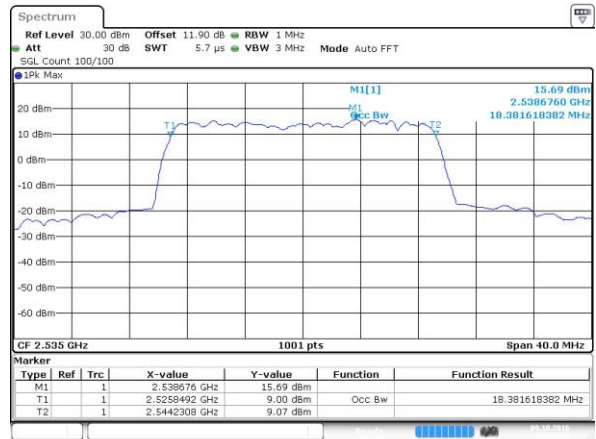
## Lowest Channel / 20MHz / 16QAM



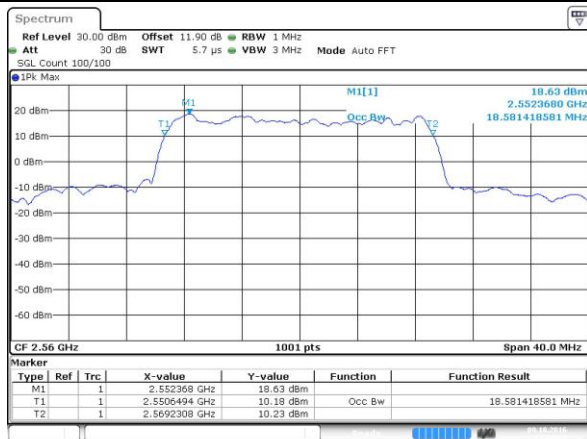
## Middle Channel / 20MHz / QPSK



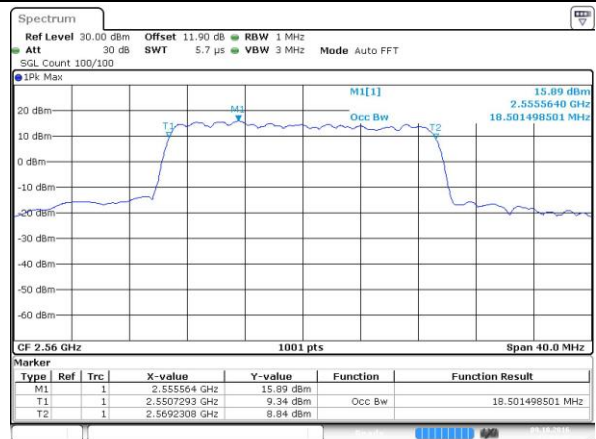
## Middle Channel / 20MHz / 16QAM

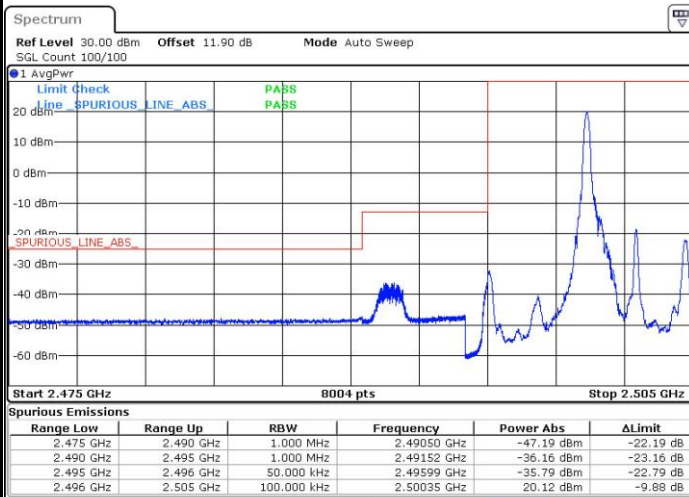
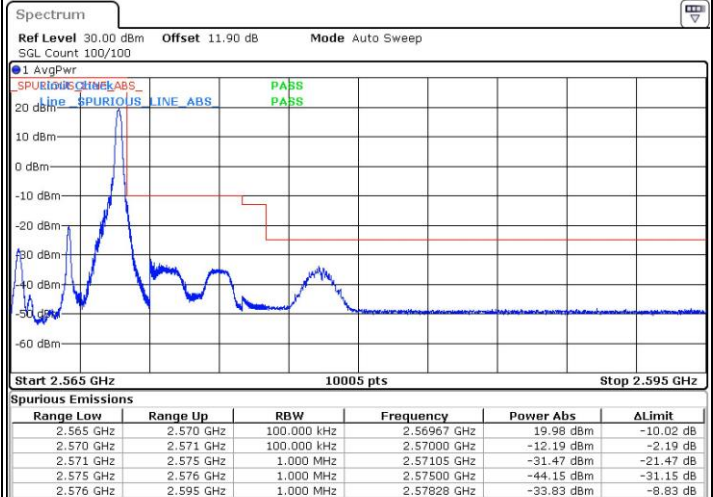
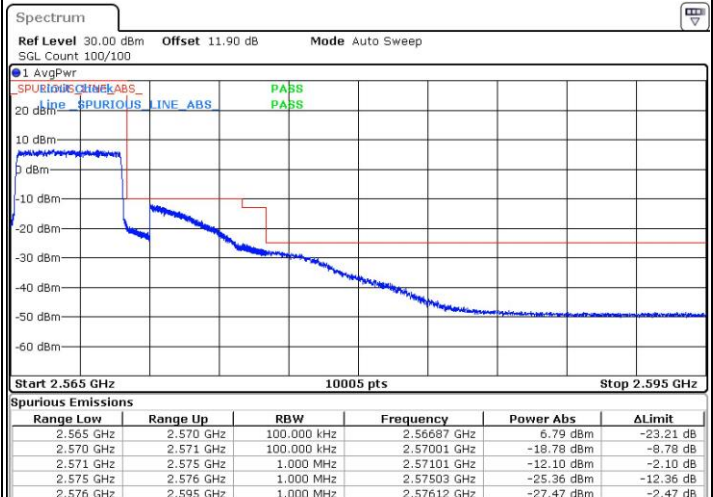


## Highest Channel / 20MHz / QPSK



## Highest Channel / 20MHz / 16QAM

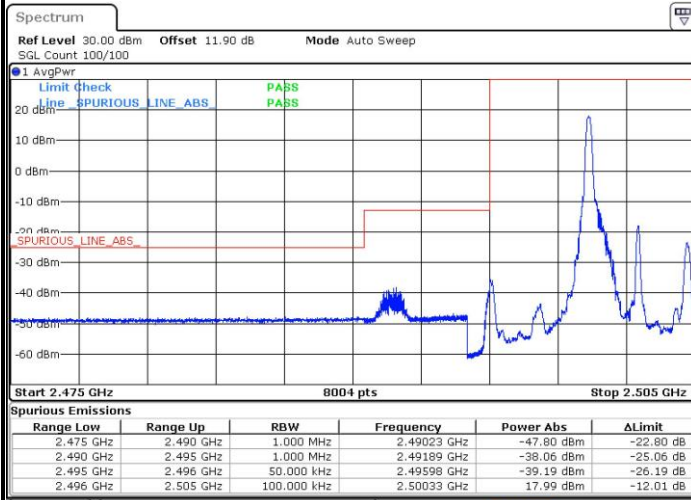


**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



## LTE Band 7 / 5MHz / 16QAM

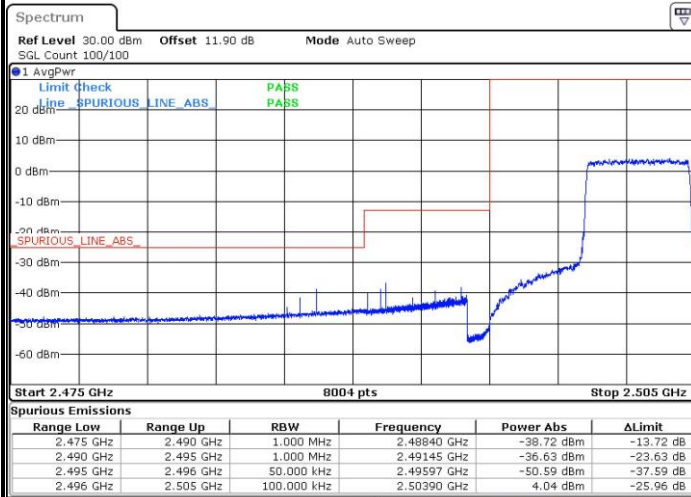
## Lowest Band Edge / 1 RB



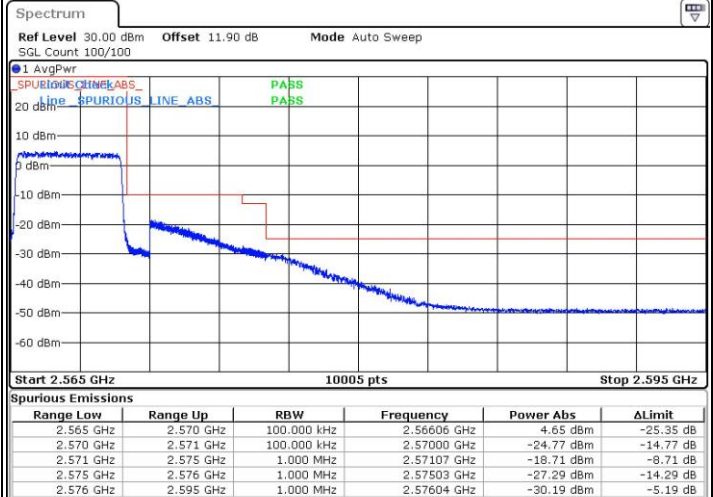
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



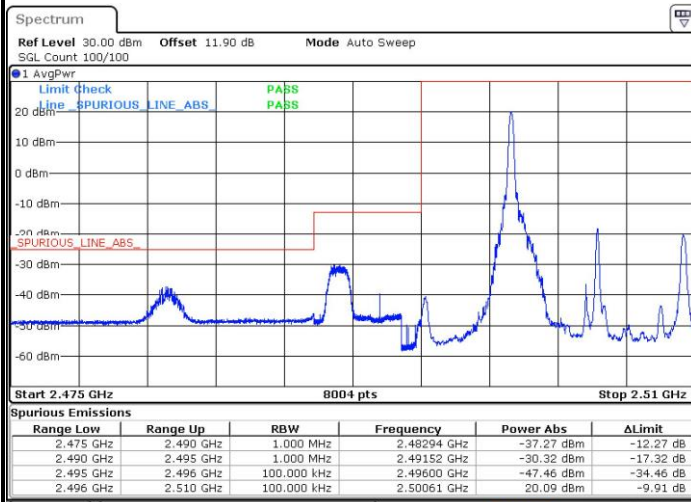
## Highest Band Edge / Full RB



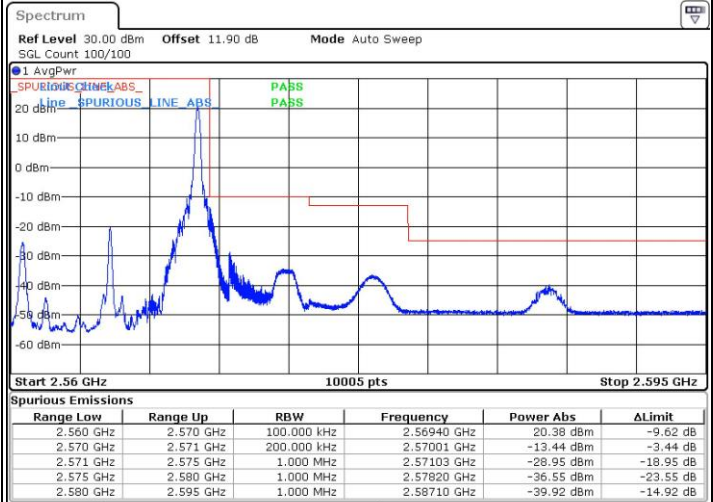


## LTE Band 7 / 10MHz / QPSK

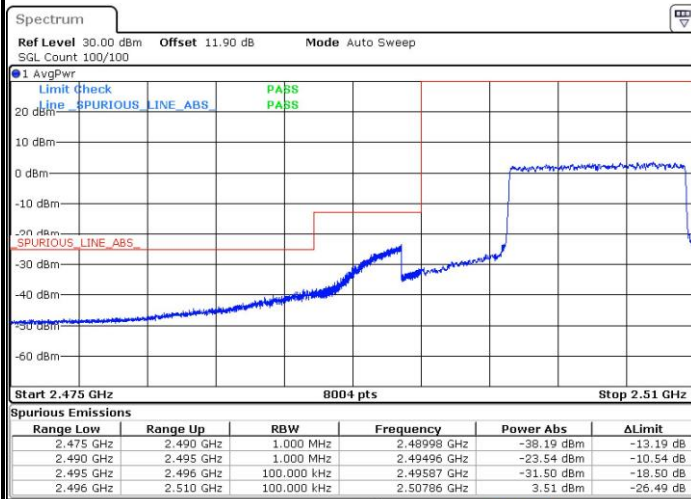
## Lowest Band Edge / 1 RB



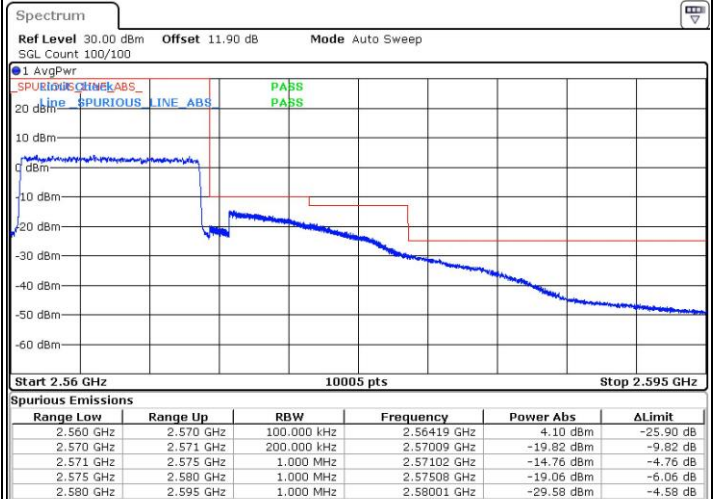
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



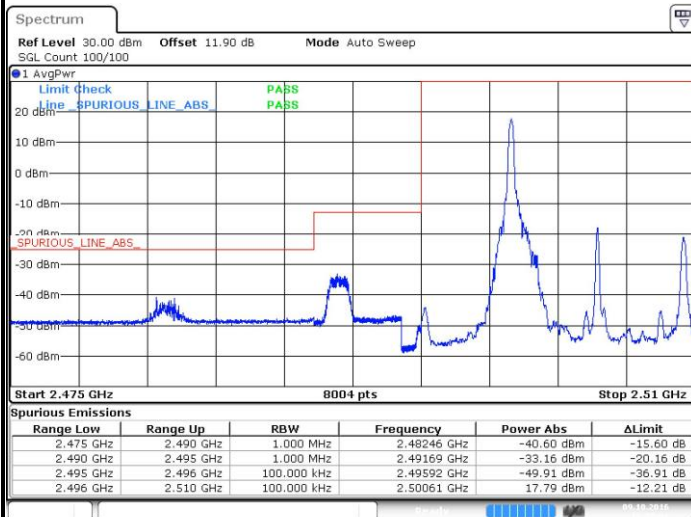
## Highest Band Edge / Full RB



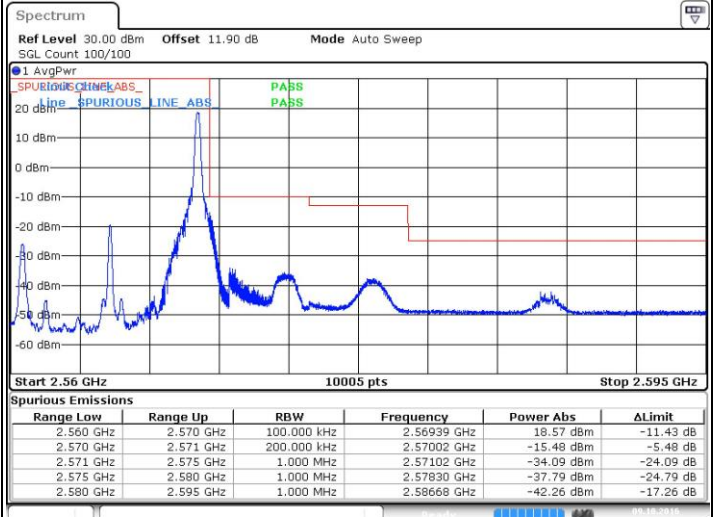


## LTE Band 7 / 10MHz / 16QAM

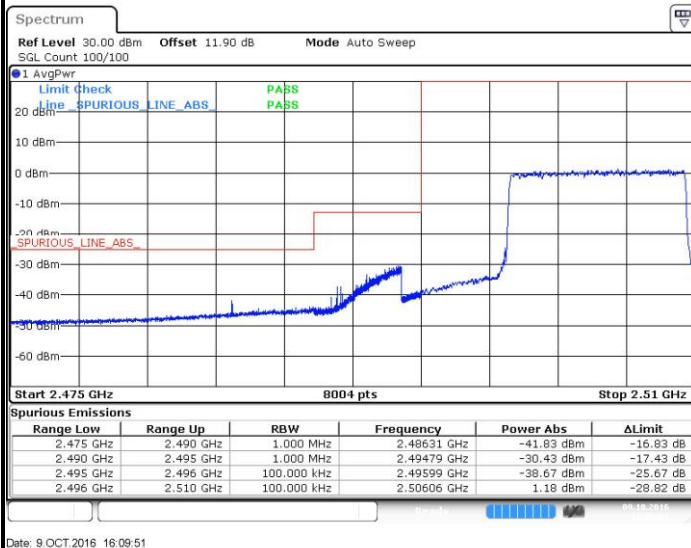
## Lowest Band Edge / 1 RB



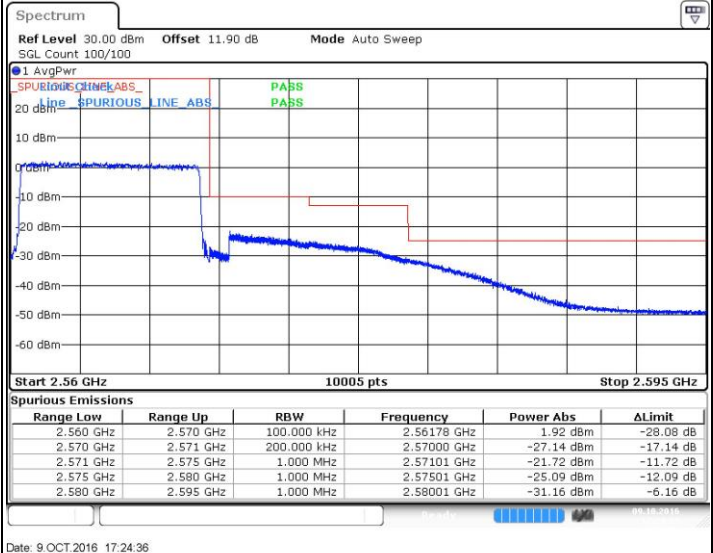
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



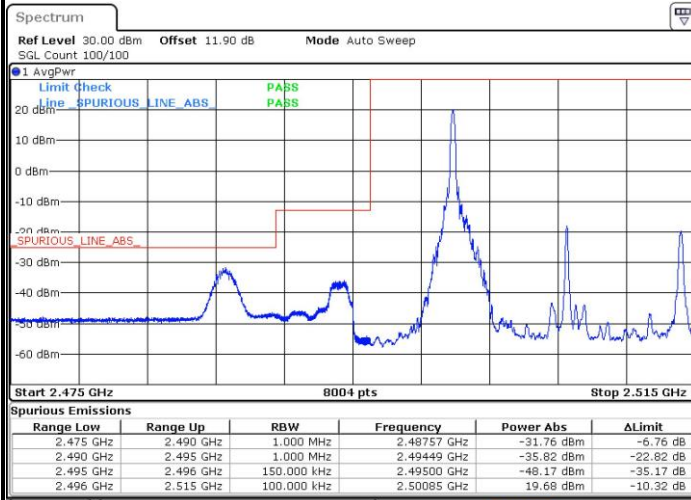
## Highest Band Edge / Full RB



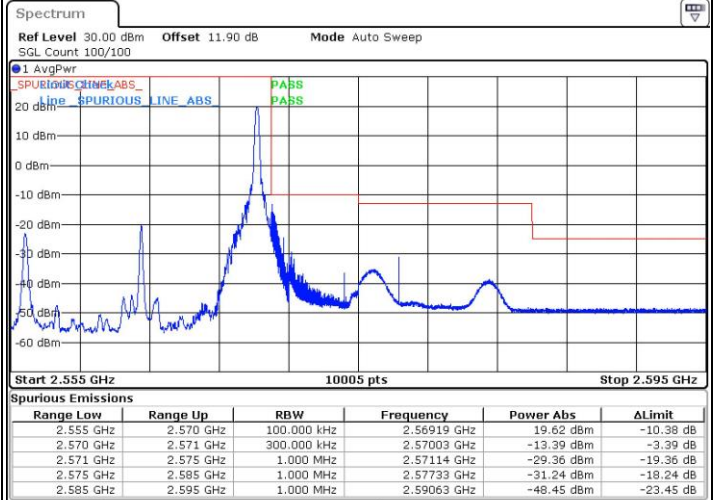


## LTE Band 7 / 15MHz / QPSK

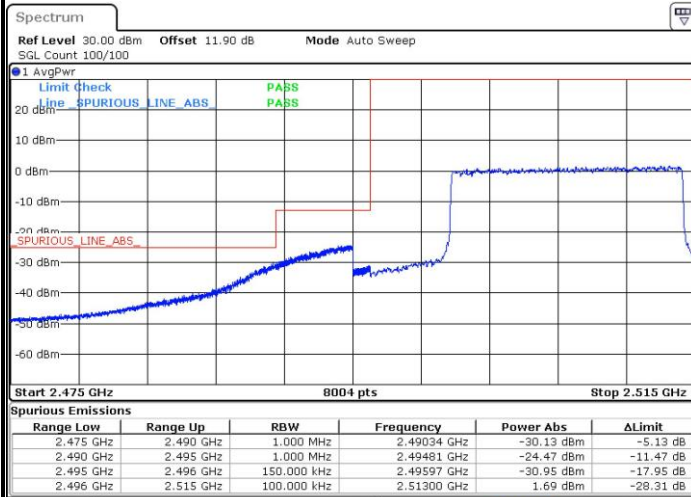
## Lowest Band Edge / 1 RB



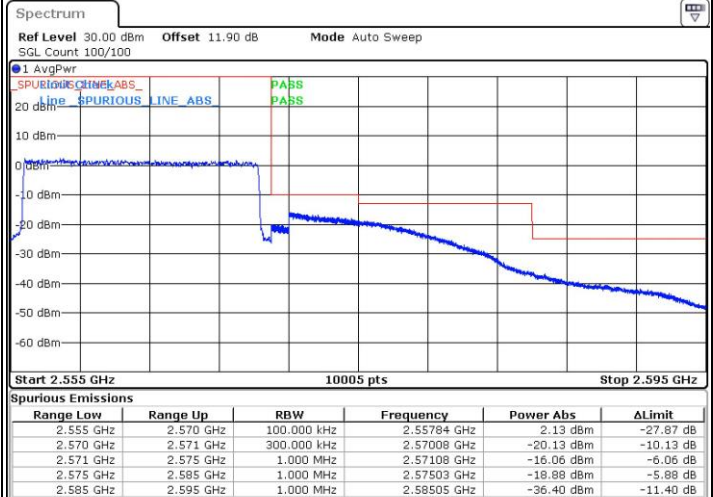
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



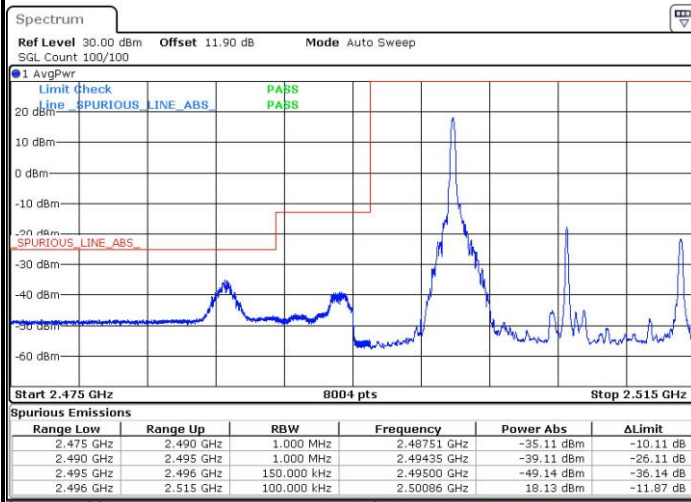
## Highest Band Edge / Full RB



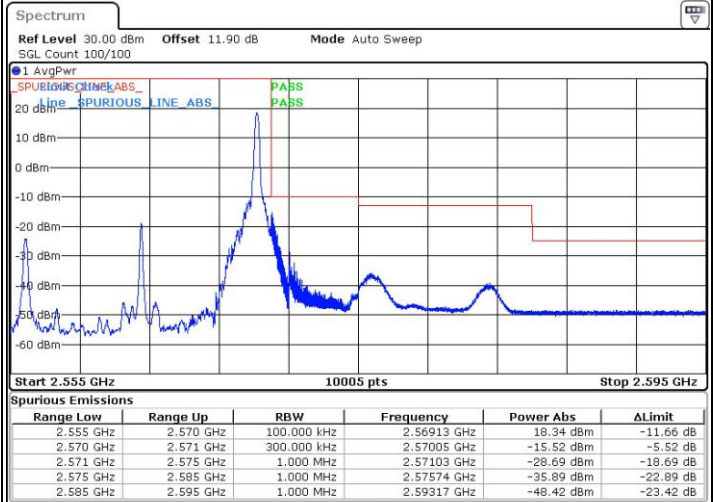


## LTE Band 7 / 15MHz / 16QAM

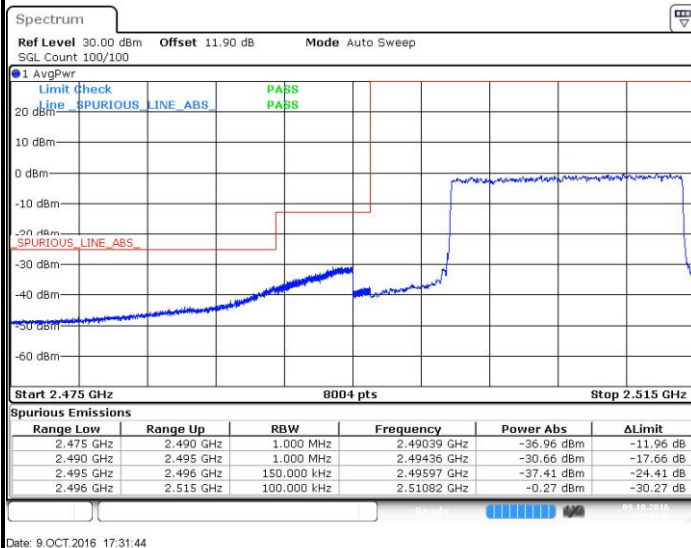
## Lowest Band Edge / 1 RB



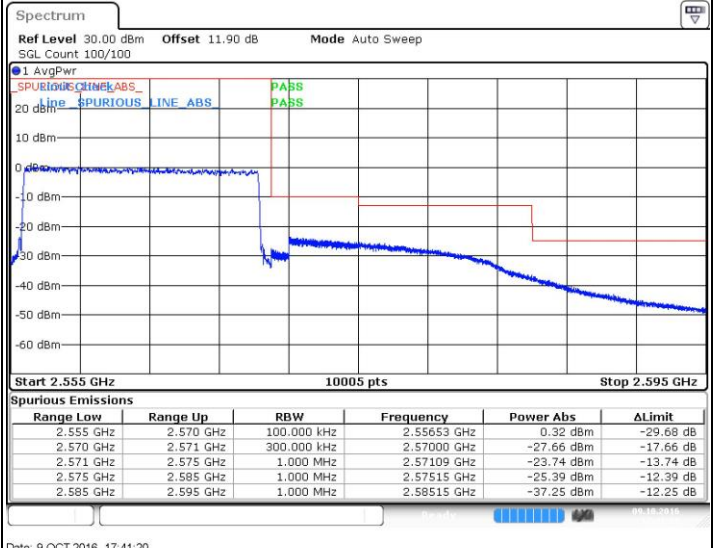
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



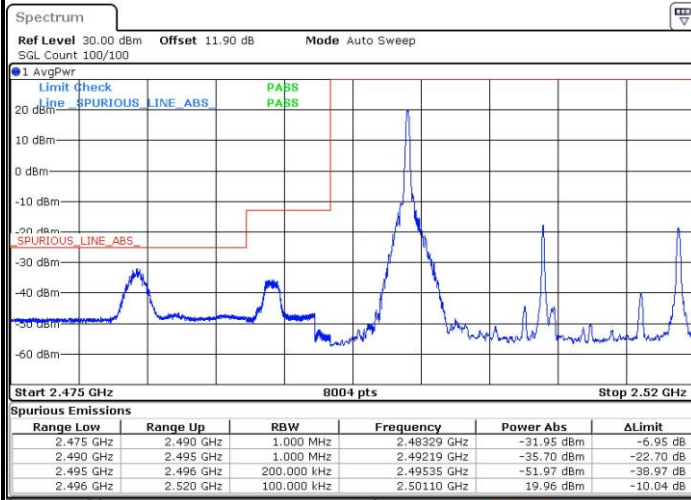
## Highest Band Edge / Full RB





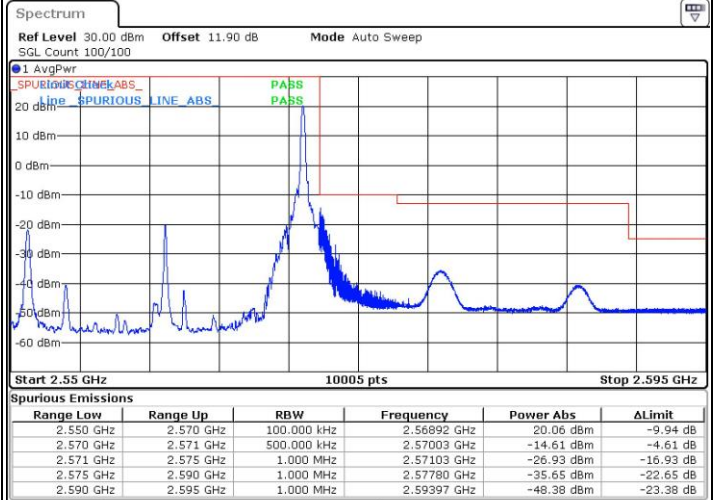
## LTE Band 7 / 20MHz / QPSK

## Lowest Band Edge / 1 RB



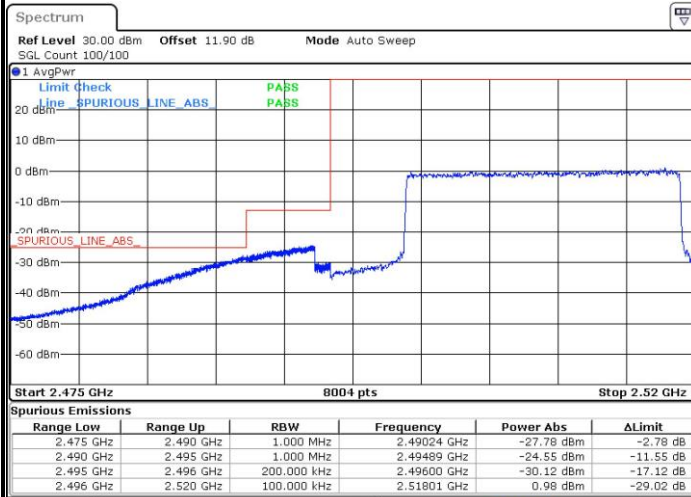
Date: 9.OCT.2016 17:44:59

## Highest Band Edge / 1 RB



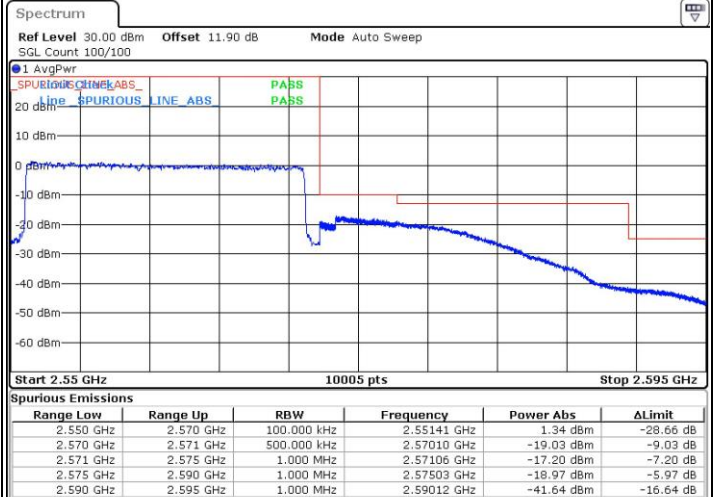
Date: 9.OCT.2016 17:54:35

## Lowest Band Edge / Full RB



Date: 9.OCT.2016 17:47:18

## Highest Band Edge / Full RB

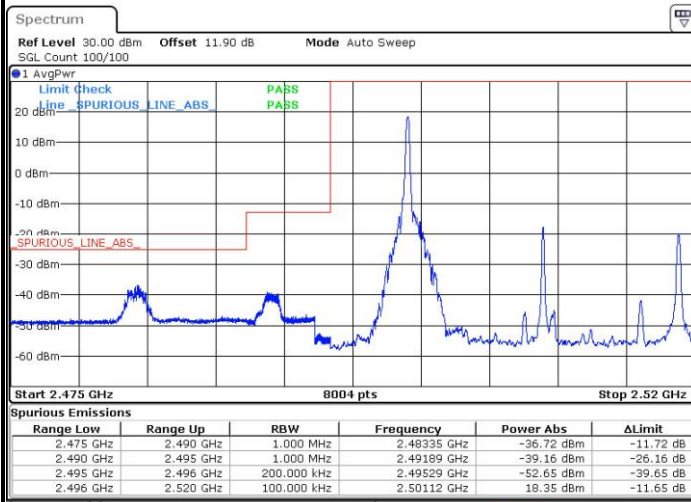


Date: 9.OCT.2016 17:58:05



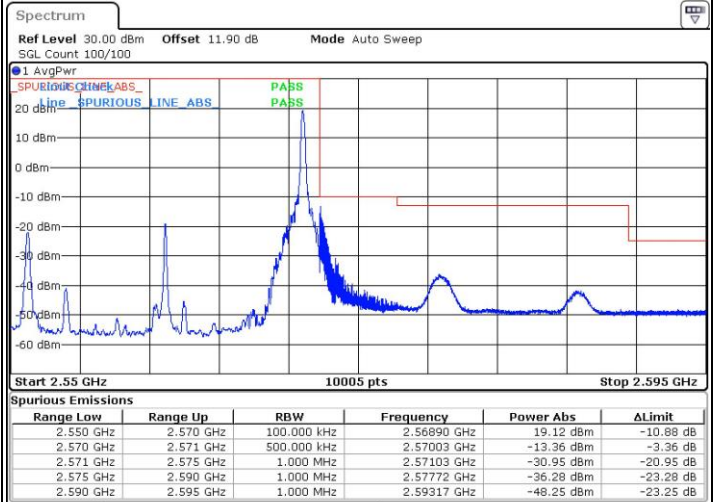
## LTE Band 7 / 20MHz / 16QAM

## Lowest Band Edge / 1 RB



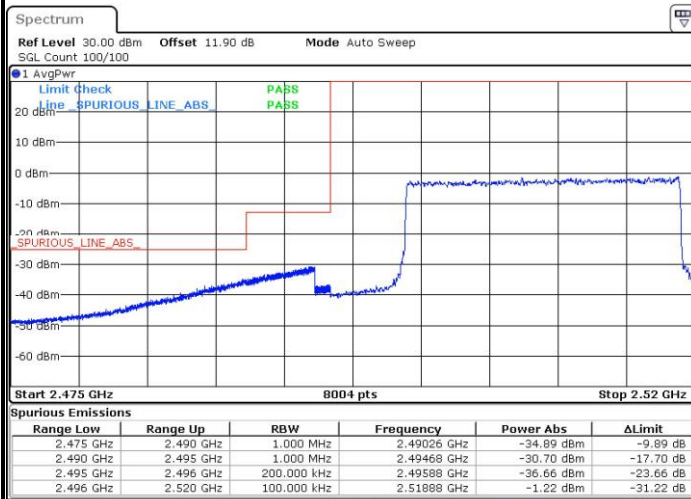
Date: 9.OCT.2016 17:46:08

## Highest Band Edge / 1RB



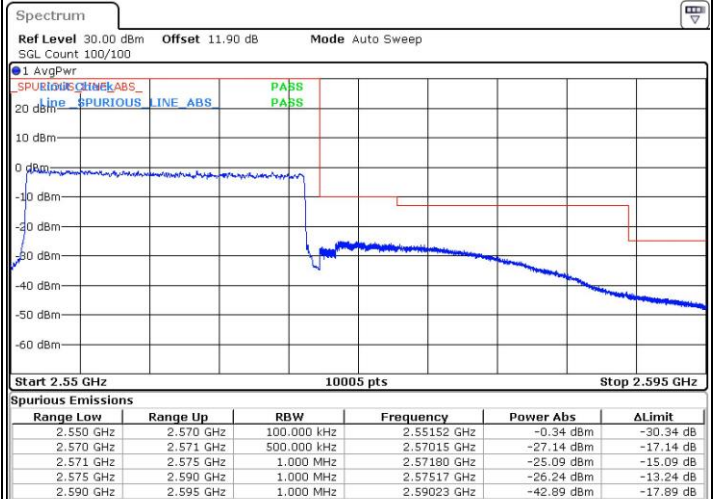
Date: 9.OCT.2016 17:55:45

## Lowest Band Edge / Full RB



Date: 9.OCT.2016 17:48:28

## Highest Band Edge / Full RB



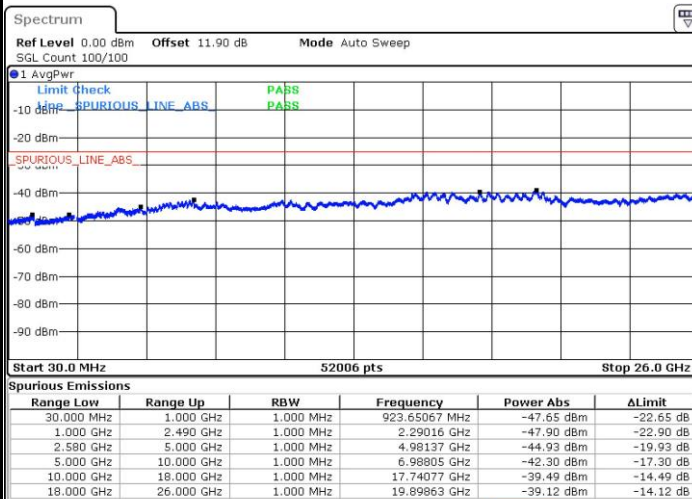
Date: 9.OCT.2016 17:56:55



# Conducted Spurious Emission

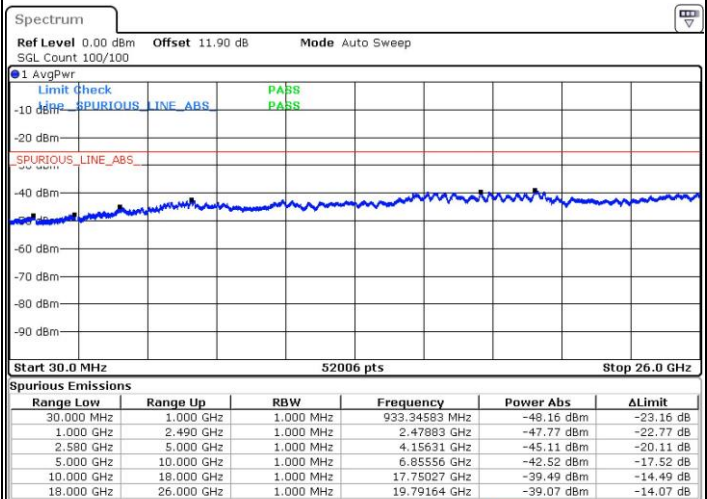
## LTE Band 7 / 5MHz

### Lowest Channel / QPSK



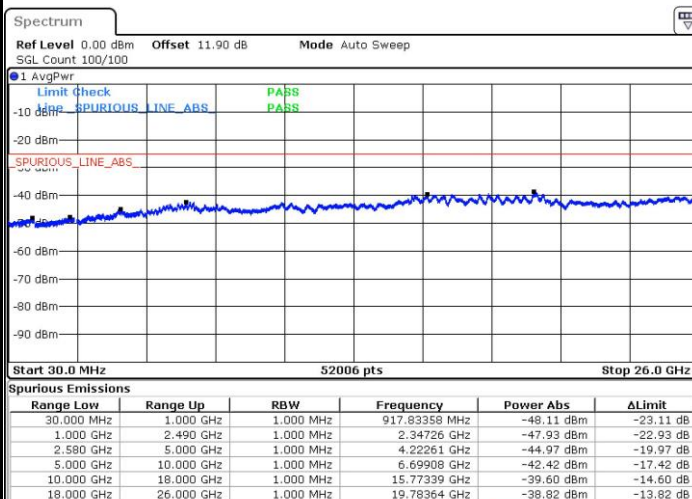
Date: 9.OCT.2016 15:54:01

### Lowest Channel / 16QAM



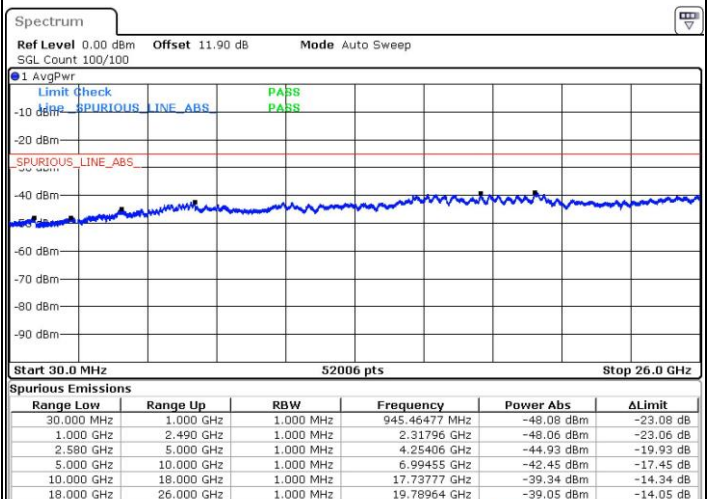
Date: 9.OCT.2016 15:54:55

### Middle Channel / QPSK



Date: 9.OCT.2016 15:56:30

### Middle Channel / 16QAM

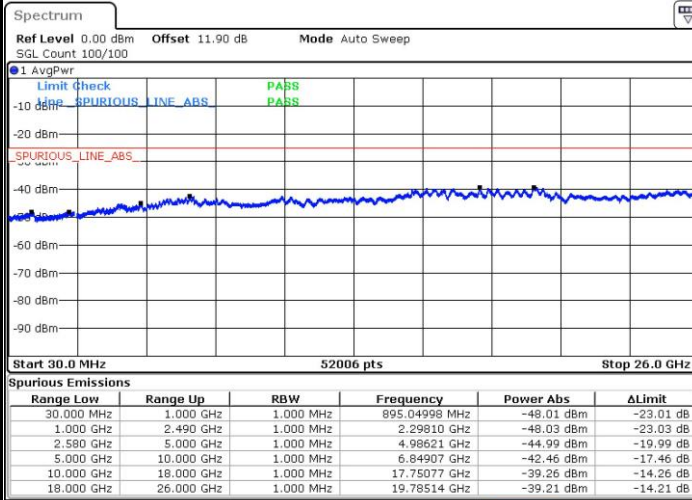


Date: 9.OCT.2016 15:57:23



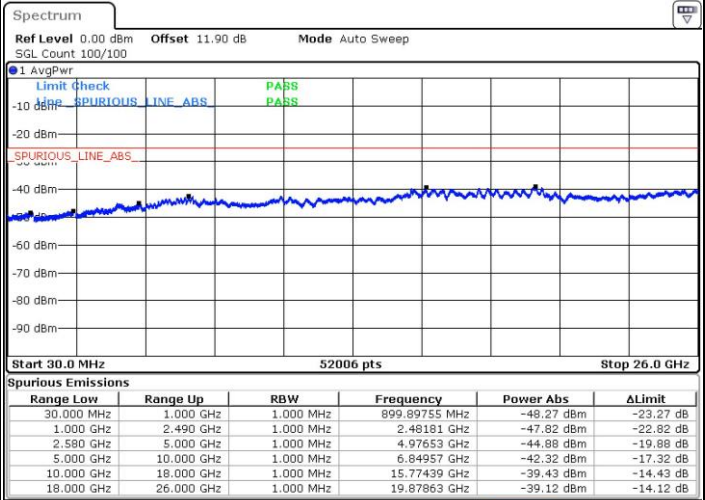
## LTE Band 7 / 5MHz

## Highest Channel / QPSK



Date: 9.OCT.2016 16:03:37

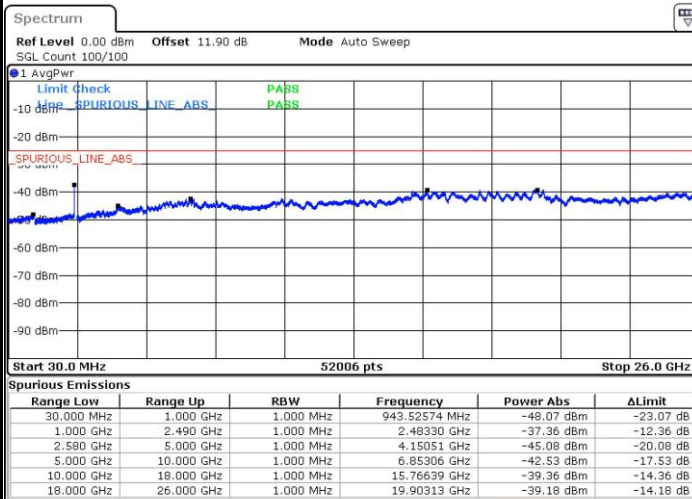
## Highest Channel / 16QAM



Date: 9.OCT.2016 16:04:31

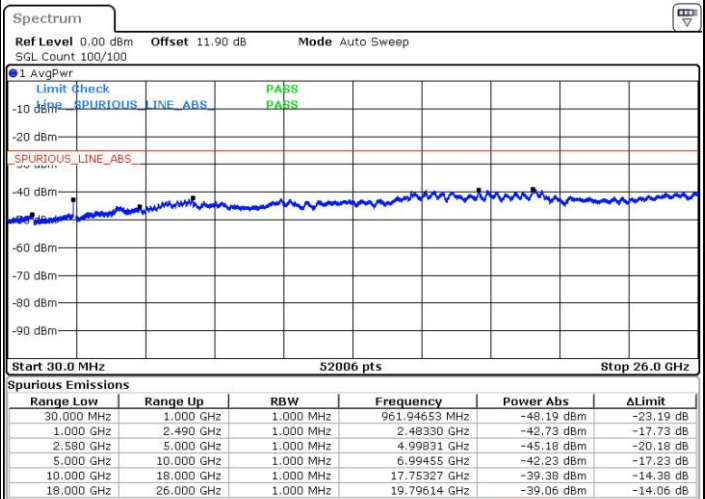
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK



Date: 9.OCT.2016 17:15:53

## Lowest Channel / 16QAM

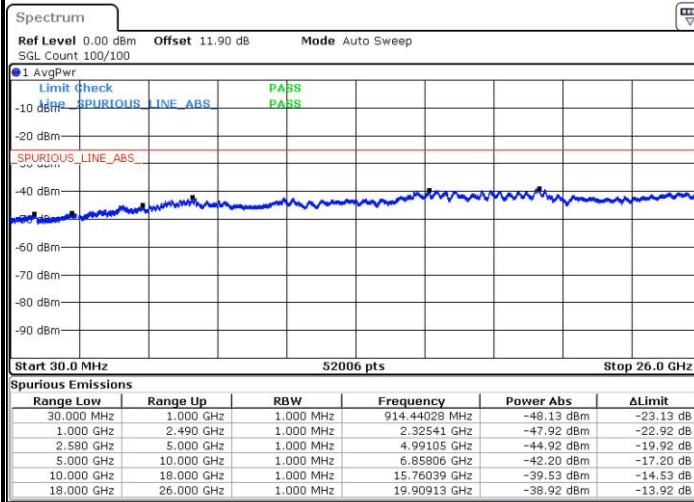


Date: 9.OCT.2016 17:16:47



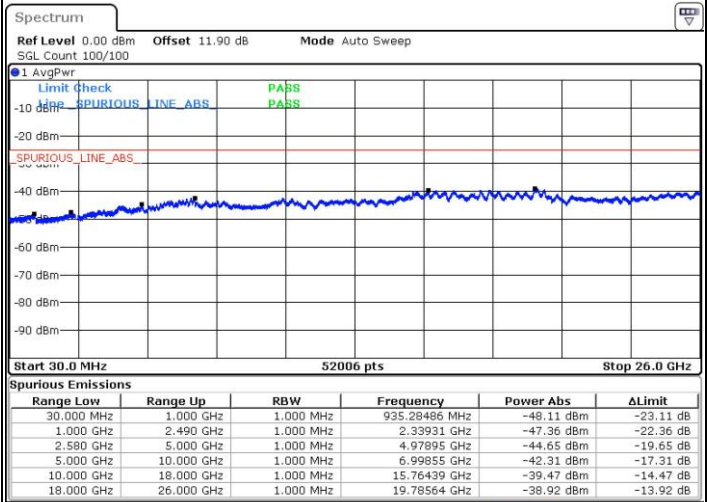
## LTE Band 7 / 10MHz

## Middle Channel / QPSK



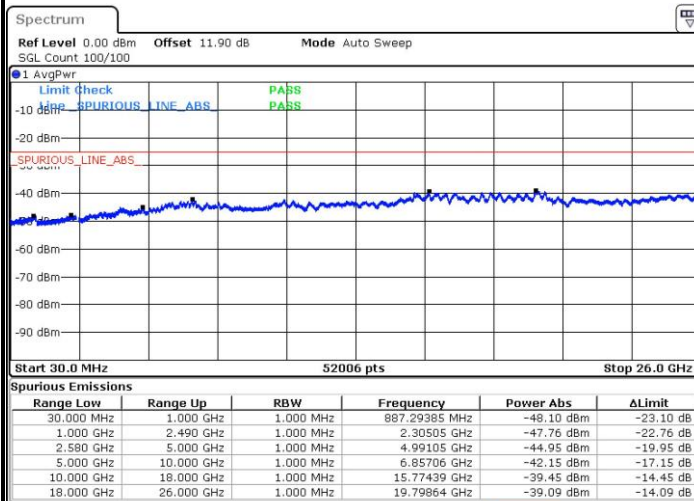
Date: 9.OCT.2016 17:18:22

## Middle Channel / 16QAM



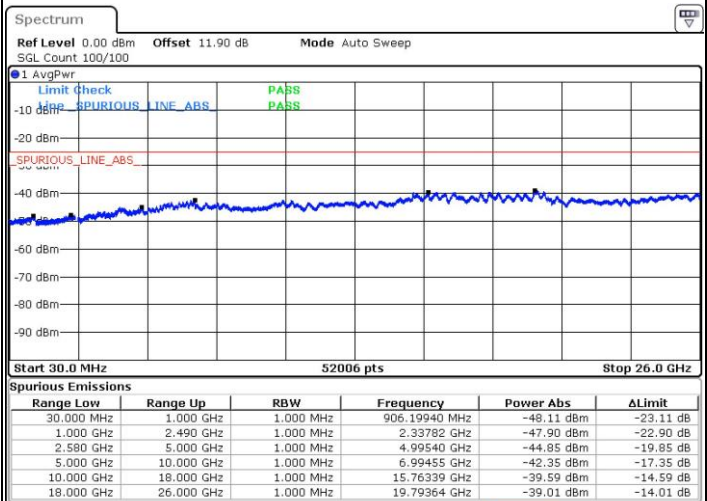
Date: 9.OCT.2016 17:19:15

## Highest Channel / QPSK



Date: 9.OCT.2016 17:25:30

## Highest Channel / 16QAM

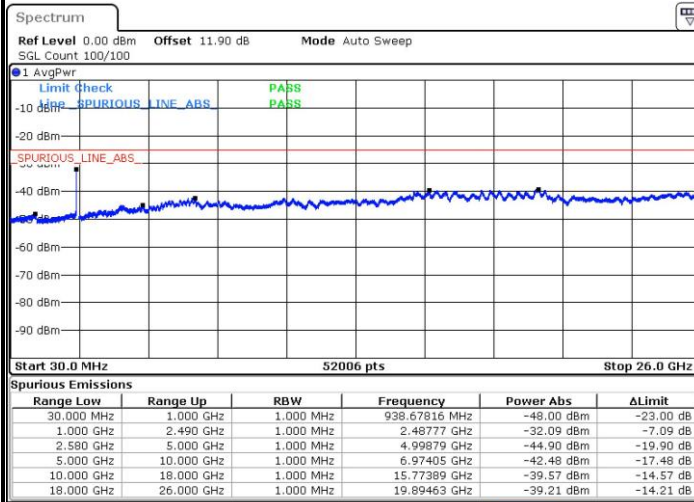


Date: 9.OCT.2016 17:26:24



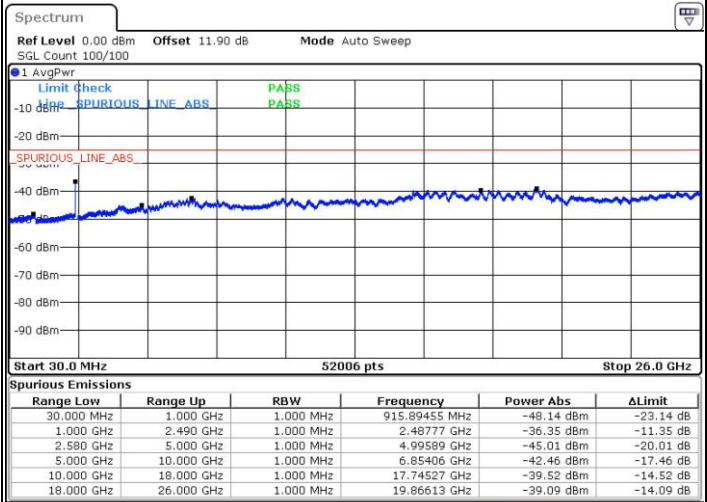
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



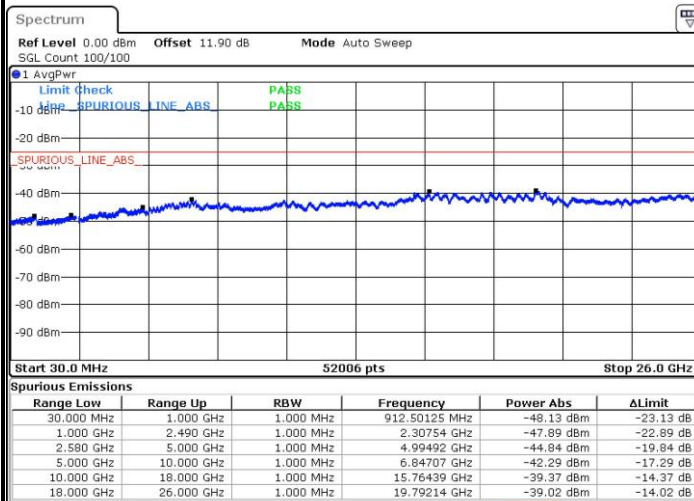
Date: 9.OCT.2016 17:32:38

## Lowest Channel / 16QAM



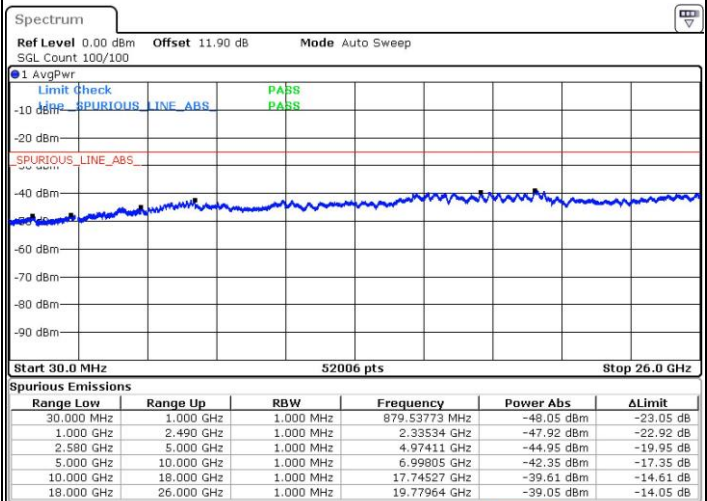
Date: 9.OCT.2016 17:33:31

## Middle Channel / QPSK



Date: 9.OCT.2016 17:35:06

## Middle Channel / 16QAM

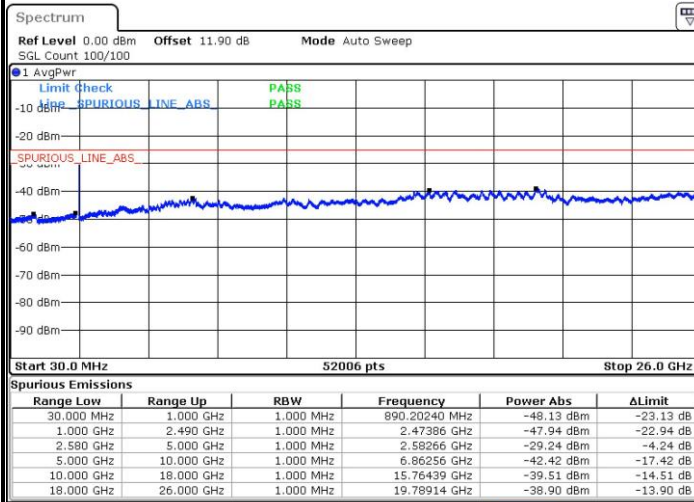


Date: 9.OCT.2016 17:36:00



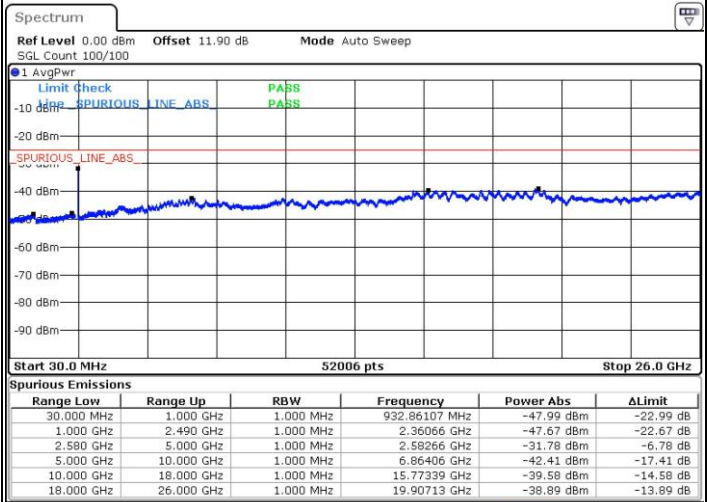
## LTE Band7 / 15MHz

## Highest Channel / QPSK



Date: 9.OCT.2016 17:42:14

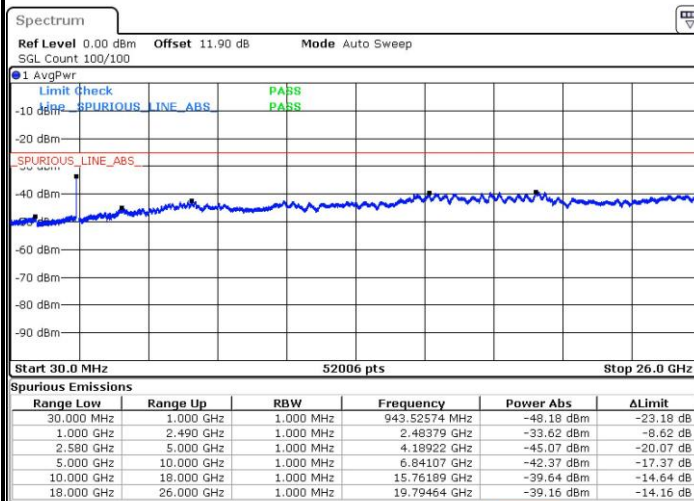
## Highest Channel / 16QAM



Date: 9.OCT.2016 17:43:08

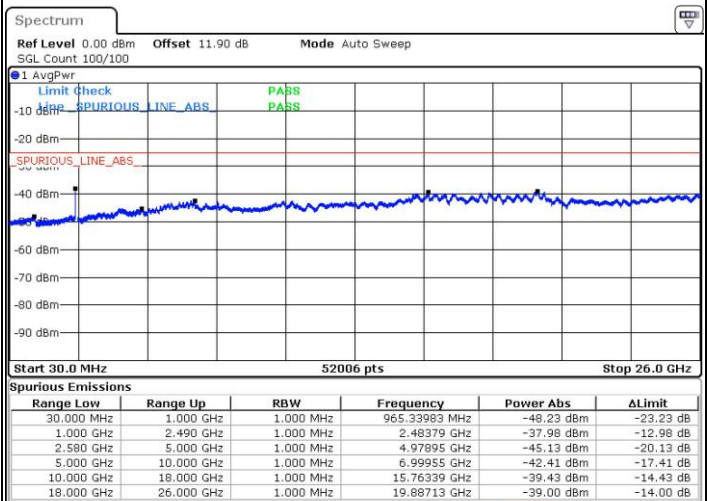
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



Date: 9.OCT.2016 17:49:22

## Lowest Channel / 16QAM

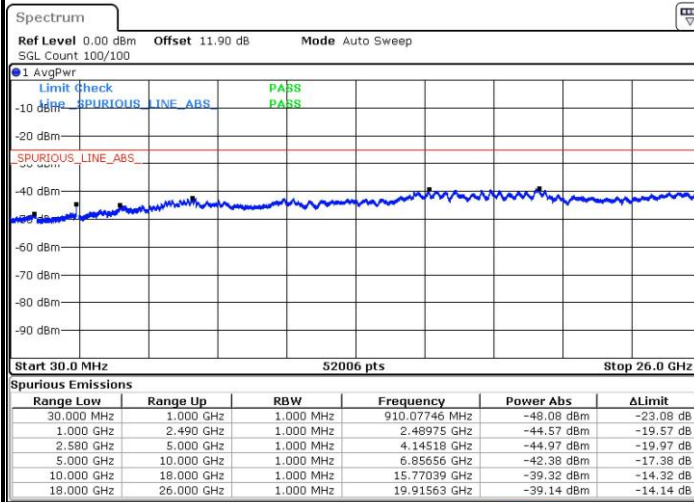


Date: 9.OCT.2016 17:50:16



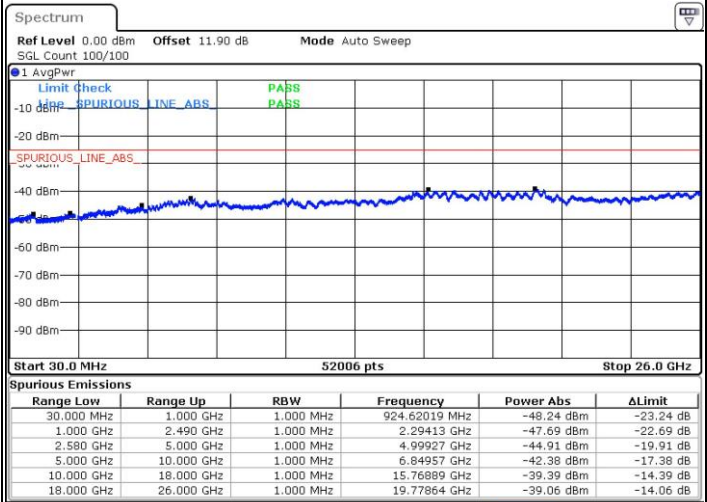
## LTE Band 7 / 20MHz

## Middle Channel / QPSK



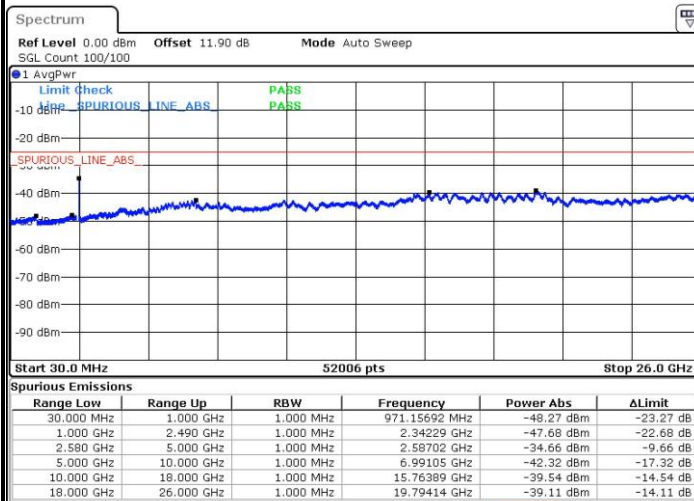
Date: 9.OCT.2016 17:51:51

## Middle Channel / 16QAM



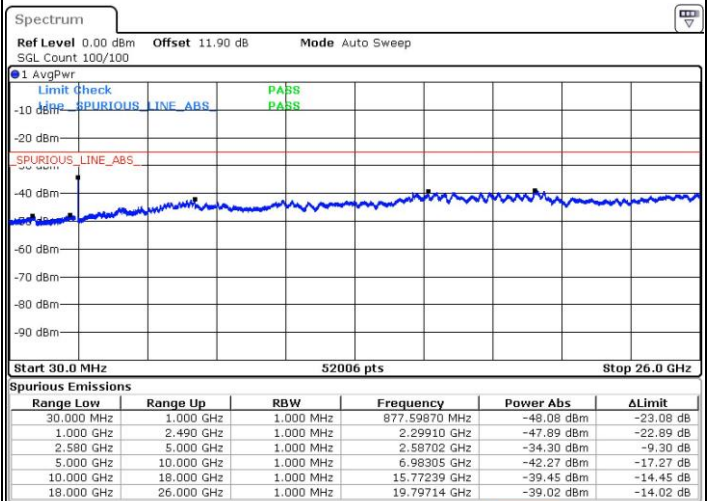
Date: 9.OCT.2016 17:52:44

## Highest Channel / QPSK



Date: 9.OCT.2016 17:58:59

## Highest Channel / 16QAM



Date: 9.OCT.2016 17:59:53

## Frequency Stability

| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0000                             | PASS    |
| 40               | Normal Voltage    | 0.0005                             |         |
| 30               | Normal Voltage    | 0.0001                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0003                             |         |
| 0                | Normal Voltage    | 0.0001                             |         |
| -10              | Normal Voltage    | 0.0002                             |         |
| -20              | Normal Voltage    | 0.0000                             |         |
| -30              | Normal Voltage    | 0.0096                             |         |
| 20               | Maximum Voltage   | 0.0096                             |         |
| 20               | Normal Voltage    | 0.0000                             |         |
| 20               | Battery End Point | 0.0100                             |         |

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 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 = -0.2 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 3    | 3      | 23.18       | 0.2080        | 22.98     | 0.1986  |
| Middle                                            |           | 3    | 3      | 23.38       | 0.2178        | 23.18     | 0.2080  |
| Highest                                           |           | 3    | 3      | 23.34       | 0.2158        | 23.14     | 0.2061  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.25       | 0.1679        | 22.05     | 0.1603  |
| Middle                                            |           | 1    | 0      | 22.37       | 0.1726        | 22.17     | 0.1648  |
| Highest                                           |           | 1    | 0      | 22.36       | 0.1722        | 22.16     | 0.1644  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 3MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 14     | 23.19       | 0.2084        | 22.99     | 0.1991  |
| Middle                                          |           | 1    | 14     | 23.21       | 0.2094        | 23.01     | 0.2000  |
| Highest                                         |           | 1    | 14     | 23.36       | 0.2168        | 23.16     | 0.2070  |
| Lowest                                          | 16QAM     | 1    | 0      | 22.37       | 0.1726        | 22.17     | 0.1648  |
| Middle                                          |           | 1    | 0      | 22.33       | 0.1710        | 22.13     | 0.1633  |
| Highest                                         |           | 1    | 0      | 22.46       | 0.1762        | 22.26     | 0.1683  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 5MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 12     | 23.23       | 0.2104        | 23.03     | 0.2009  |
| Middle                                          |           | 1    | 12     | 23.41       | 0.2193        | 23.21     | 0.2094  |
| Highest                                         |           | 1    | 12     | 23.37       | 0.2173        | 23.17     | 0.2075  |
| Lowest                                          | 16QAM     | 1    | 0      | 22.36       | 0.1722        | 22.16     | 0.1644  |
| Middle                                          |           | 1    | 0      | 22.44       | 0.1754        | 22.24     | 0.1675  |
| Highest                                         |           | 1    | 0      | 22.49       | 0.1774        | 22.29     | 0.1694  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 2 / 10MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.27       | 0.2123        | 23.07     | 0.2028  |
| Middle                                           |           | 1    | 0      | 23.43       | 0.2203        | 23.23     | 0.2104  |
| Highest                                          |           | 1    | 0      | 23.44       | 0.2208        | 23.24     | 0.2109  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.44       | 0.1754        | 22.24     | 0.1675  |
| Middle                                           |           | 1    | 0      | 22.51       | 0.1782        | 22.31     | 0.1702  |
| Highest                                          |           | 1    | 0      | 22.68       | 0.1854        | 22.48     | 0.1770  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 15MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.37       | 0.2173        | 23.17     | 0.2075  |
| Middle                                           |           | 1    | 0      | 23.54       | 0.2259        | 23.34     | 0.2158  |
| Highest                                          |           | 1    | 0      | 23.60       | 0.2291        | 23.40     | 0.2188  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.56       | 0.1803        | 22.36     | 0.1722  |
| Middle                                           |           | 1    | 0      | 22.69       | 0.1858        | 22.49     | 0.1774  |
| Highest                                          |           | 1    | 0      | 22.84       | 0.1923        | 22.64     | 0.1837  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 20MHz (Average) (GT - LC = -0.2 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.66       | 0.2323        | 23.46     | 0.2218  |
| Middle                                           |           | 1    | 0      | 23.80       | 0.2399        | 23.60     | 0.2291  |
| Highest                                          |           | 1    | 0      | 23.82       | 0.2410        | 23.62     | 0.2301  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.82       | 0.1914        | 22.62     | 0.1828  |
| Middle                                           |           | 1    | 0      | 22.93       | 0.1963        | 22.73     | 0.1875  |
| Highest                                          |           | 1    | 0      | 22.97       | 0.1982        | 22.77     | 0.1892  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.8 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 3    | 3      | 23.47       | 0.2223        | 18.52    | 0.0711 |
| Middle                                            |          | 3    | 3      | 23.55       | 0.2265        | 18.60    | 0.0724 |
| Highest                                           |          | 3    | 3      | 23.64       | 0.2312        | 18.69    | 0.0740 |
| Lowest                                            | 16QAM    | 1    | 0      | 22.56       | 0.1803        | 17.61    | 0.0577 |
| Middle                                            |          | 1    | 0      | 22.78       | 0.1897        | 17.83    | 0.0607 |
| Highest                                           |          | 1    | 0      | 22.73       | 0.1875        | 17.78    | 0.0600 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 3MHz (Average) (GT - LC = -2.8 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 0      | 23.46       | 0.2218        | 18.51    | 0.0710 |
| Middle                                          |          | 1    | 0      | 23.61       | 0.2296        | 18.66    | 0.0735 |
| Highest                                         |          | 1    | 0      | 23.70       | 0.2344        | 18.75    | 0.0750 |
| Lowest                                          | 16QAM    | 1    | 0      | 22.66       | 0.1845        | 17.71    | 0.0590 |
| Middle                                          |          | 1    | 0      | 22.88       | 0.1941        | 17.93    | 0.0621 |
| Highest                                         |          | 1    | 0      | 22.79       | 0.1901        | 17.84    | 0.0608 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 5MHz (Average) (GT - LC = -2.8 dB) |          |      |        |             |               |          |        |
|-------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                         | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                 |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                          | QPSK     | 1    | 12     | 23.51       | 0.2244        | 18.56    | 0.0718 |
| Middle                                          |          | 1    | 12     | 23.61       | 0.2296        | 18.66    | 0.0735 |
| Highest                                         |          | 1    | 12     | 23.71       | 0.2350        | 18.76    | 0.0752 |
| Lowest                                          | 16QAM    | 1    | 12     | 22.67       | 0.1849        | 17.72    | 0.0592 |
| Middle                                          |          | 1    | 12     | 22.89       | 0.1945        | 17.94    | 0.0622 |
| Highest                                         |          | 1    | 12     | 22.83       | 0.1919        | 17.88    | 0.0614 |
| Limit                                           | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 10MHz (Average) (GT - LC = -2.8 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 0      | 23.61       | 0.2296        | 18.66    | 0.0735 |
| Middle                                           |          | 1    | 0      | 23.76       | 0.2377        | 18.81    | 0.0760 |
| Highest                                          |          | 1    | 0      | 23.68       | 0.2333        | 18.73    | 0.0746 |
| Lowest                                           | 16QAM    | 1    | 0      | 22.77       | 0.1892        | 17.82    | 0.0605 |
| Middle                                           |          | 1    | 0      | 23.00       | 0.1995        | 18.05    | 0.0638 |
| Highest                                          |          | 1    | 0      | 22.84       | 0.1923        | 17.89    | 0.0615 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 7 / 5MHz (Average) (GT - LC = 0.8 dB) |           |      |        |             |               |           |         |
|------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                        | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                         | QPSK      | 1    | 12     | 21.44       | 0.1393        | 22.24     | 0.1675  |
| Middle                                         |           | 1    | 12     | 21.31       | 0.1352        | 22.11     | 0.1626  |
| Highest                                        |           | 1    | 12     | 21.36       | 0.1368        | 22.16     | 0.1644  |
| Lowest                                         | 16QAM     | 1    | 12     | 20.67       | 0.1167        | 21.47     | 0.1403  |
| Middle                                         |           | 1    | 12     | 20.56       | 0.1138        | 21.36     | 0.1368  |
| Highest                                        |           | 1    | 12     | 20.69       | 0.1172        | 21.49     | 0.1409  |
| Limit                                          | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 7 / 10MHz (Average) (GT - LC = 0.8 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 49     | 21.43       | 0.1390        | 22.23     | 0.1671  |
| Middle                                          |           | 1    | 49     | 21.38       | 0.1374        | 22.18     | 0.1652  |
| Highest                                         |           | 1    | 49     | 21.45       | 0.1396        | 22.25     | 0.1679  |
| Lowest                                          | 16QAM     | 1    | 49     | 20.64       | 0.1159        | 21.44     | 0.1393  |
| Middle                                          |           | 1    | 49     | 20.63       | 0.1156        | 21.43     | 0.1390  |
| Highest                                         |           | 1    | 49     | 20.78       | 0.1197        | 21.58     | 0.1439  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 7 / 15MHz (Average) (GT - LC = 0.8 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 74     | 21.46       | 0.1400        | 22.26     | 0.1683  |
| Middle                                          |           | 1    | 74     | 21.46       | 0.1400        | 22.26     | 0.1683  |
| Highest                                         |           | 1    | 74     | 21.53       | 0.1422        | 22.33     | 0.1710  |
| Lowest                                          | 16QAM     | 1    | 74     | 20.71       | 0.1178        | 21.51     | 0.1416  |
| Middle                                          |           | 1    | 74     | 20.70       | 0.1175        | 21.50     | 0.1413  |
| Highest                                         |           | 1    | 74     | 20.83       | 0.1211        | 21.63     | 0.1455  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 7 / 20MHz (Average) (GT - LC = 0.8 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 0      | 21.65       | 0.1462        | 22.45     | 0.1758  |
| Middle                                          |           | 1    | 0      | 21.56       | 0.1432        | 22.36     | 0.1722  |
| Highest                                         |           | 1    | 0      | 21.53       | 0.1422        | 22.33     | 0.1710  |
| Lowest                                          | 16QAM     | 1    | 99     | 20.87       | 0.1222        | 21.67     | 0.1469  |
| Middle                                          |           | 1    | 99     | 20.86       | 0.1219        | 21.66     | 0.1466  |
| Highest                                         |           | 1    | 99     | 20.97       | 0.1250        | 21.77     | 0.1503  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

**Radiated Spurious Emission****LTE Band 2**

| LTE Band 2 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 3756                 | -55.77          | -13              | -42.77                  | -49.49                  | -62.39                   | 1.68                       | 8.31                        | H                     |
|                            | 5639                 | -49.45          | -13              | -36.45                  | -50.2                   | -56.50                   | 2.71                       | 9.76                        | H                     |
|                            | 7515                 | -45.75          | -13              | -32.75                  | -51.99                  | -55.13                   | 2.42                       | 11.81                       | H                     |
|                            | 9398                 | -53.71          | -13              | -40.71                  | -64.62                  | -63.68                   | 2.57                       | 12.54                       | H                     |
|                            | 11273                | -54.65          | -13              | -41.65                  | -69.61                  | -64.36                   | 2.68                       | 12.39                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 3756                 | -55.04          | -13              | -42.04                  | -48.54                  | -61.66                   | 1.68                       | 8.31                        | V                     |
|                            | 5639                 | -44.70          | -13              | -31.70                  | -45.39                  | -51.75                   | 2.71                       | 9.76                        | V                     |
|                            | 7515                 | -40.26          | -13              | -27.26                  | -46.79                  | -49.64                   | 2.42                       | 11.81                       | V                     |
|                            | 9398                 | -50.63          | -13              | -37.63                  | -59.89                  | -60.60                   | 2.57                       | 12.54                       | V                     |
|                            | 11273                | -54.73          | -13              | -41.73                  | -69.47                  | -64.44                   | 2.68                       | 12.39                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 2 / 3MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                   | 3756                 | -54.68          | -13              | -41.68                  | -48.4                   | -61.30                   | 1.68                       | 8.31                        | H                     |
|                          | 5639                 | -49.67          | -13              | -36.67                  | -50.42                  | -56.72                   | 2.71                       | 9.76                        | H                     |
|                          | 7515                 | -45.34          | -13              | -32.34                  | -51.58                  | -54.72                   | 2.42                       | 11.81                       | H                     |
|                          | 9391                 | -53.18          | -13              | -40.18                  | -64.09                  | -63.16                   | 2.57                       | 12.54                       | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          | 3756                 | -55.28          | -13              | -42.28                  | -48.78                  | -61.90                   | 1.68                       | 8.31                        | V                     |
|                          | 5639                 | -44.98          | -13              | -31.98                  | -45.67                  | -52.03                   | 2.71                       | 9.76                        | V                     |
|                          | 7515                 | -40.04          | -13              | -27.04                  | -46.57                  | -49.42                   | 2.42                       | 11.81                       | V                     |
|                          | 9391                 | -49.69          | -13              | -36.69                  | -58.95                  | -59.67                   | 2.57                       | 12.54                       | V                     |
|                          | 11273                | -54.51          | -13              | -41.51                  | -69.25                  | -64.22                   | 2.68                       | 12.39                       | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 2 / 5MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                   | 3756                 | -55.69          | -13              | -42.69                  | -49.41                  | -62.31                   | 1.68                       | 8.31                        | H                     |
|                          | 5632                 | -48.91          | -13              | -35.91                  | -49.62                  | -55.96                   | 2.70                       | 9.75                        | H                     |
|                          | 7508                 | -45.85          | -13              | -32.85                  | -52.09                  | -55.23                   | 2.43                       | 11.80                       | H                     |
|                          | 9391                 | -54.09          | -13              | -41.09                  | -65                     | -64.07                   | 2.57                       | 12.54                       | H                     |
|                          | 11264                | -54.77          | -13              | -41.77                  | -69.73                  | -64.48                   | 2.68                       | 12.39                       | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                          | 3756                 | -55.18          | -13              | -42.18                  | -48.68                  | -61.80                   | 1.68                       | 8.31                        | V                     |
|                          | 5632                 | -45.26          | -13              | -32.26                  | -45.92                  | -52.31                   | 2.70                       | 9.75                        | V                     |
|                          | 7508                 | -40.63          | -13              | -27.63                  | -47.16                  | -50.01                   | 2.43                       | 11.80                       | V                     |
|                          | 9391                 | -48.49          | -13              | -35.49                  | -57.75                  | -58.47                   | 2.57                       | 12.54                       | V                     |
|                          | 11264                | -53.15          | -13              | -40.15                  | -67.89                  | -62.86                   | 2.68                       | 12.39                       | V                     |
|                          | 15025                | -52.31          | -13              | -39.31                  | -71.98                  | -62.34                   | 3.61                       | 13.64                       | V                     |
|                          |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 2 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                    | 3749                 | -55.55          | -13              | -42.55                  | -49.27                  | -62.17                   | 1.68                       | 8.30                        | H                     |
|                           | 5625                 | -48.40          | -13              | -35.40                  | -49.11                  | -55.45                   | 2.70                       | 9.75                        | H                     |
|                           | 7501                 | -45.52          | -13              | -32.52                  | -51.72                  | -54.89                   | 2.43                       | 11.80                       | H                     |
|                           | 9377                 | -53.93          | -13              | -40.93                  | -64.78                  | -63.92                   | 2.56                       | 12.55                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3749                 | -54.16          | -13              | -41.16                  | -47.66                  | -60.78                   | 1.68                       | 8.30                        | V                     |
|                           | 5625                 | -44.67          | -13              | -31.67                  | -45.33                  | -51.72                   | 2.70                       | 9.75                        | V                     |
|                           | 7501                 | -38.63          | -13              | -25.63                  | -45.13                  | -48.00                   | 2.43                       | 11.80                       | V                     |
|                           | 9377                 | -50.46          | -13              | -37.46                  | -59.69                  | -60.45                   | 2.56                       | 12.55                       | V                     |
|                           | 11254                | -53.52          | -13              | -40.52                  | -68.23                  | -63.23                   | 2.69                       | 12.40                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 2 / 15MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                    | 3749                 | -55.08          | -13              | -42.08                  | -48.8                   | -61.70                   | 1.68                       | 8.30                        | H                     |
|                           | 5618                 | -48.77          | -13              | -35.77                  | -49.48                  | -55.82                   | 2.69                       | 9.75                        | H                     |
|                           | 7494                 | -46.43          | -13              | -33.43                  | -52.63                  | -55.79                   | 2.43                       | 11.79                       | H                     |
|                           | 9370                 | -53.35          | -13              | -40.35                  | -64.14                  | -63.34                   | 2.56                       | 12.55                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3749                 | -53.67          | -13              | -40.67                  | -47.17                  | -60.29                   | 1.68                       | 8.30                        | V                     |
|                           | 5618                 | -45.79          | -13              | -32.79                  | -46.45                  | -52.84                   | 2.69                       | 9.75                        | V                     |
|                           | 7494                 | -40.14          | -13              | -27.14                  | -46.64                  | -49.50                   | 2.43                       | 11.79                       | V                     |
|                           | 9370                 | -48.96          | -13              | -35.96                  | -58.16                  | -58.95                   | 2.56                       | 12.55                       | V                     |
|                           | 11236                | -53.33          | -13              | -40.33                  | -68.01                  | -63.05                   | 2.69                       | 12.41                       | V                     |
|                           | 14987                | -51.99          | -13              | -38.99                  | -71.57                  | -61.98                   | 3.59                       | 13.58                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| 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) |
| Middle                    | 3742                 | -55.10          | -13              | -42.10                  | -48.81                  | -61.71                   | 1.68                       | 8.29                        | H                     |
|                           | 5611                 | -48.21          | -13              | -35.21                  | -48.88                  | -55.27                   | 2.69                       | 9.74                        | H                     |
|                           | 7487                 | -46.46          | -13              | -33.46                  | -52.66                  | -55.80                   | 2.43                       | 11.77                       | H                     |
|                           | 9356                 | -53.41          | -13              | -40.41                  | -64.2                   | -63.41                   | 2.56                       | 12.56                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 3742                 | -53.17          | -13              | -40.17                  | -46.64                  | -59.78                   | 1.68                       | 8.29                        | V                     |
|                           | 5611                 | -44.31          | -13              | -31.31                  | -44.93                  | -51.37                   | 2.69                       | 9.74                        | V                     |
|                           | 7487                 | -38.90          | -13              | -25.90                  | -45.4                   | -48.24                   | 2.43                       | 11.77                       | V                     |
|                           | 9356                 | -49.70          | -13              | -36.70                  | -58.9                   | -59.70                   | 2.56                       | 12.56                       | V                     |
|                           | 11226                | -53.12          | -13              | -40.12                  | -67.8                   | -62.84                   | 2.69                       | 12.41                       | V                     |
|                           | 14968                | -51.29          | -13              | -38.29                  | -70.81                  | -61.27                   | 3.58                       | 13.56                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



## LTE Band 5

| LTE Band 5 / 1.4MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 1672                 | -61.49          | -13              | -48.49                  | -48.33                  | -63.17                   | 0.99                       | 4.82                        | H                     |
|                            | 2504                 | -43.00          | -13              | -30.00                  | -33.58                  | -44.96                   | 1.29                       | 5.40                        | H                     |
|                            | 4176                 | -64.44          | -13              | -51.44                  | -59.29                  | -69.06                   | 1.86                       | 8.64                        | H                     |
|                            | 5016                 | -64.32          | -13              | -51.32                  | -63.45                  | -69.52                   | 2.35                       | 9.70                        | H                     |
|                            | 5856                 | -62.59          | -13              | -49.59                  | -63.86                  | -67.45                   | 2.83                       | 9.84                        | H                     |
|                            | 6688                 | -59.97          | -13              | -46.97                  | -63.71                  | -65.55                   | 2.69                       | 10.43                       | H                     |
|                            | 7528                 | -58.52          | -13              | -45.52                  | -64.79                  | -65.77                   | 2.42                       | 11.82                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1672                 | -64.69          | -13              | -51.69                  | -51.63                  | -66.37                   | 0.99                       | 4.82                        | V                     |
|                            | 2504                 | -46.45          | -13              | -33.45                  | -37.07                  | -48.41                   | 1.29                       | 5.40                        | V                     |
|                            | 4176                 | -65.10          | -13              | -52.10                  | -59.74                  | -69.72                   | 1.86                       | 8.64                        | V                     |
|                            | 5016                 | -64.11          | -13              | -51.11                  | -63.02                  | -69.31                   | 2.35                       | 9.70                        | V                     |
|                            | 5856                 | -61.78          | -13              | -48.78                  | -62.96                  | -66.64                   | 2.83                       | 9.84                        | V                     |
|                            | 6688                 | -56.27          | -13              | -43.27                  | -60.23                  | -61.85                   | 2.69                       | 10.43                       | V                     |
|                            | 7528                 | -57.42          | -13              | -44.42                  | -63.97                  | -64.67                   | 2.42                       | 11.82                       | V                     |
|                            | 8360                 | -54.64          | -13              | -41.64                  | -62.8                   | -62.53                   | 2.35                       | 12.39                       | V                     |

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



| LTE Band 5 / 3MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|--------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                  | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                   | 1672                 | -60.88         | -13              | -47.88                  | -47.72                  | -62.56                   | 0.99                       | 4.82                        | H                     |
|                          | 2504                 | -49.02         | -13              | -36.02                  | -39.6                   | -50.98                   | 1.29                       | 5.40                        | H                     |
|                          | 4176                 | -66.50         | -13              | -53.50                  | -61.35                  | -71.12                   | 1.86                       | 8.64                        | H                     |
|                          | 5848                 | -62.21         | -13              | -49.21                  | -63.44                  | -67.07                   | 2.83                       | 9.84                        | H                     |
|                          | 6680                 | -59.68         | -13              | -46.68                  | -63.36                  | -65.25                   | 2.69                       | 10.42                       | H                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                          | 1672                 | -62.62         | -13              | -49.62                  | -49.56                  | -64.30                   | 0.99                       | 4.82                        | V                     |
|                          | 2504                 | -46.38         | -13              | -33.38                  | -37                     | -48.34                   | 1.29                       | 5.40                        | V                     |
|                          | 4176                 | -62.44         | -13              | -49.44                  | -57.08                  | -67.06                   | 1.86                       | 8.64                        | V                     |
|                          | 5848                 | -62.03         | -13              | -49.03                  | -63.17                  | -66.89                   | 2.83                       | 9.84                        | V                     |
|                          | 6680                 | -55.56         | -13              | -42.56                  | -59.44                  | -61.13                   | 2.69                       | 10.42                       | V                     |
|                          | 7520                 | -57.94         | -13              | -44.94                  | -64.49                  | -65.18                   | 2.42                       | 11.81                       | V                     |
|                          | 8352                 | -54.90         | -13              | -41.90                  | -63.02                  | -62.79                   | 2.34                       | 12.38                       | V                     |

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



| LTE Band 5 / 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) |
| Middle                   | 1664                 | -63.16         | -13              | -50.16                  | -49.92                  | -64.87                   | 0.98                       | 4.84                        | H                     |
|                          | 2504                 | -46.61         | -13              | -33.61                  | -37.19                  | -48.57                   | 1.29                       | 5.40                        | H                     |
|                          | 5840                 | -62.49         | -13              | -49.49                  | -63.72                  | -67.36                   | 2.82                       | 9.84                        | H                     |
|                          | 6672                 | -59.86         | -13              | -46.86                  | -63.54                  | -65.42                   | 2.70                       | 10.41                       | H                     |
|                          | 8344                 | -58.16         | -13              | -45.16                  | -66.44                  | -66.04                   | 2.34                       | 12.38                       | H                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                          | 1664                 | -66.08         | -13              | -53.08                  | -52.98                  | -67.79                   | 0.98                       | 4.84                        | V                     |
|                          | 2504                 | -50.07         | -13              | -37.07                  | -40.69                  | -52.03                   | 1.29                       | 5.40                        | V                     |
|                          | 5008                 | -64.26         | -13              | -51.26                  | -63.17                  | -69.47                   | 2.34                       | 9.70                        | V                     |
|                          | 5840                 | -61.75         | -13              | -48.75                  | -62.89                  | -66.62                   | 2.82                       | 9.84                        | V                     |
|                          | 6672                 | -56.18         | -13              | -43.18                  | -60.06                  | -61.74                   | 2.70                       | 10.41                       | V                     |
|                          | 8344                 | -56.07         | -13              | -43.07                  | -64.19                  | -63.95                   | 2.34                       | 12.38                       | V                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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



| 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) |
| Middle                    | 1664                 | -61.02         | -13              | -48.02                  | -47.78                  | -62.73                   | 0.98                       | 4.84                        | H                     |
|                           | 2496                 | -39.40         | -13              | -26.40                  | -29.98                  | -41.35                   | 1.29                       | 5.39                        | H                     |
|                           | 4160                 | -65.26         | -13              | -52.26                  | -60.04                  | -69.89                   | 1.85                       | 8.63                        | H                     |
|                           | 8320                 | -58.08         | -13              | -45.08                  | -66.31                  | -65.95                   | 2.34                       | 12.36                       | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                           | 1664                 | -64.84         | -13              | -51.84                  | -51.74                  | -66.55                   | 0.98                       | 4.84                        | V                     |
|                           | 2496                 | -39.13         | -13              | -26.13                  | -29.75                  | -41.08                   | 1.29                       | 5.39                        | V                     |
|                           | 4160                 | -60.36         | -13              | -47.36                  | -54.94                  | -64.99                   | 1.85                       | 8.63                        | V                     |
|                           | 5824                 | -61.03         | -13              | -48.03                  | -62.13                  | -65.90                   | 2.81                       | 9.83                        | V                     |
|                           | 6656                 | -57.80         | -13              | -44.80                  | -61.62                  | -63.34                   | 2.70                       | 10.39                       | V                     |
|                           | 8320                 | -56.52         | -13              | -43.52                  | -64.6                   | -64.39                   | 2.34                       | 12.36                       | V                     |
|                           |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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



## **LTE Band 7**

| LTE Band 7 / 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) |
| Middle                   | 5064                 | -49.03         | -25              | -24.03                  | -48.29                  | -56.36                   | 2.37                       | 9.70                        | H                     |
|                          | 7596                 | -32.48         | -25              | -7.48                   | -39.9                   | -41.94                   | 2.40                       | 11.86                       | H                     |
|                          | 10134                | -48.72         | -25              | -23.72                  | -61.98                  | -58.28                   | 2.70                       | 12.25                       | H                     |
|                          | 12663                | -46.23         | -25              | -21.23                  | -62.46                  | -55.98                   | 2.85                       | 12.60                       | H                     |
|                          | 15201                | -52.46         | -25              | -27.46                  | -71.3                   | -62.66                   | 3.68                       | 13.88                       | H                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                          | 5064                 | -49.70         | -25              | -24.70                  | -48.76                  | -57.03                   | 2.37                       | 9.70                        | V                     |
|                          | 7596                 | -37.63         | -25              | -12.63                  | -44.29                  | -47.09                   | 2.40                       | 11.86                       | V                     |
|                          | 10134                | -55.59         | -25              | -30.59                  | -67.43                  | -65.15                   | 2.70                       | 12.25                       | V                     |
|                          | 12663                | -47.69         | -25              | -22.69                  | -63.27                  | -57.44                   | 2.85                       | 12.60                       | V                     |
|                          | 15201                | -51.85         | -25              | -26.85                  | -71.55                  | -62.05                   | 3.68                       | 13.88                       | V                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                          |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 7 / 10MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                    | 5058                 | -47.64          | -25              | -22.64                  | -46.9                   | -54.97                   | 2.37                       | 9.70                        | H                     |
|                           | 7590                 | -32.97          | -25              | -7.97                   | -39.39                  | -42.42                   | 2.40                       | 11.85                       | H                     |
|                           | 10125                | -47.36          | -25              | -22.36                  | -60.62                  | -56.91                   | 2.70                       | 12.25                       | H                     |
|                           | 12654                | -46.73          | -25              | -21.73                  | -62.96                  | -56.47                   | 2.84                       | 12.58                       | H                     |
|                           | 15183                | -52.59          | -25              | -27.59                  | -71.34                  | -62.77                   | 3.67                       | 13.86                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 5058                 | -48.24          | -25              | -23.24                  | -47.3                   | -55.57                   | 2.37                       | 9.70                        | V                     |
|                           | 7590                 | -38.51          | -25              | -13.51                  | -45.17                  | -47.96                   | 2.40                       | 11.85                       | V                     |
|                           | 10125                | -55.58          | -25              | -30.58                  | -67.42                  | -65.13                   | 2.70                       | 12.25                       | V                     |
|                           | 12654                | -47.67          | -25              | -22.67                  | -63.25                  | -57.41                   | 2.84                       | 12.58                       | V                     |
|                           | 15183                | -50.87          | -25              | -25.87                  | -70.56                  | -61.05                   | 3.67                       | 13.86                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 7 / 15MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                    | 5058                 | -47.48          | -25              | -22.48                  | -46.74                  | -54.81                   | 2.37                       | 9.70                        | H                     |
|                           | 7584                 | -33.04          | -25              | -8.04                   | -39.42                  | -42.49                   | 2.40                       | 11.85                       | H                     |
|                           | 10116                | -47.83          | -25              | -22.83                  | -61.08                  | -57.38                   | 2.70                       | 12.25                       | H                     |
|                           | 12645                | -45.05          | -25              | -20.05                  | -61.22                  | -54.78                   | 2.84                       | 12.57                       | H                     |
|                           | 15174                | -52.10          | -25              | -27.10                  | -70.85                  | -62.27                   | 3.67                       | 13.84                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 5058                 | -48.90          | -25              | -23.90                  | -47.96                  | -56.23                   | 2.37                       | 9.70                        | V                     |
|                           | 7584                 | -38.62          | -25              | -13.62                  | -45.25                  | -48.07                   | 2.40                       | 11.85                       | V                     |
|                           | 10116                | -55.61          | -25              | -30.61                  | -67.4                   | -65.16                   | 2.70                       | 12.25                       | V                     |
|                           | 12645                | -47.85          | -25              | -22.85                  | -63.38                  | -57.58                   | 2.84                       | 12.57                       | V                     |
|                           | 15174                | -50.85          | -25              | -25.85                  | -70.54                  | -61.02                   | 3.67                       | 13.84                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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



| LTE Band 7 / 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) |
| Middle                    | 5052                 | -47.36          | -25              | -22.36                  | -46.58                  | -54.69                   | 2.37                       | 9.70                        | H                     |
|                           | 7578                 | -33.64          | -25              | -8.64                   | -40.02                  | -43.08                   | 2.40                       | 11.85                       | H                     |
|                           | 10107                | -47.43          | -25              | -22.43                  | -60.68                  | -56.98                   | 2.70                       | 12.24                       | H                     |
|                           | 12627                | -44.93          | -25              | -19.93                  | -61.04                  | -54.65                   | 2.84                       | 12.55                       | H                     |
|                           | 15156                | -51.84          | -25              | -26.84                  | -70.51                  | -62.00                   | 3.66                       | 13.82                       | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                           | 5052                 | -48.19          | -25              | -23.19                  | -47.2                   | -55.52                   | 2.37                       | 9.70                        | V                     |
|                           | 7578                 | -40.98          | -25              | -15.98                  | -47.61                  | -50.42                   | 2.40                       | 11.85                       | V                     |
|                           | 10107                | -55.65          | -25              | -30.65                  | -67.44                  | -65.20                   | 2.70                       | 12.24                       | V                     |
|                           | 12627                | -45.02          | -25              | -20.02                  | -60.5                   | -54.74                   | 2.84                       | 12.55                       | V                     |
|                           | 15156                | -50.44          | -25              | -25.44                  | -70.14                  | -60.60                   | 3.66                       | 13.82                       | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                           |                      |                 |                  |                         |                         |                          |                            |                             | V                     |

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