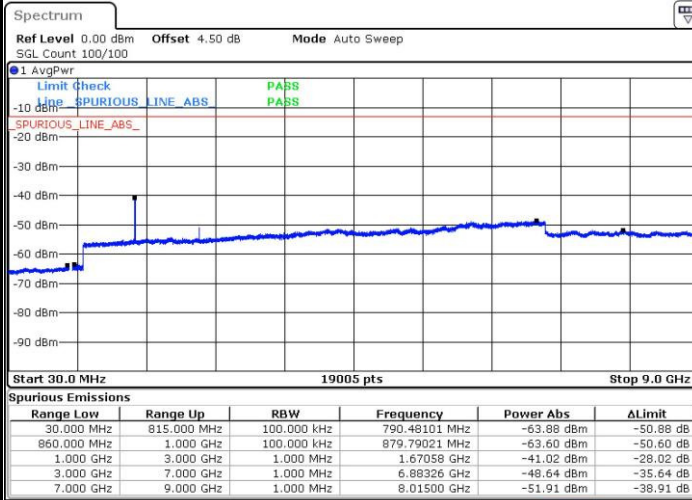




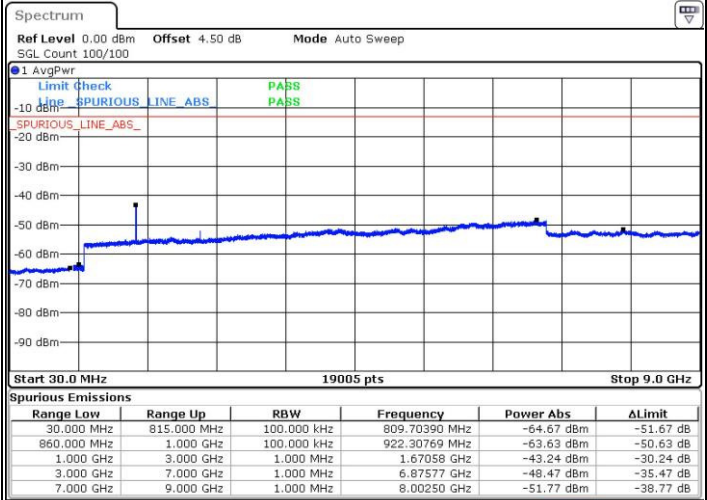
## LTE Band 5 / 3MHz

## Middle Channel / QPSK



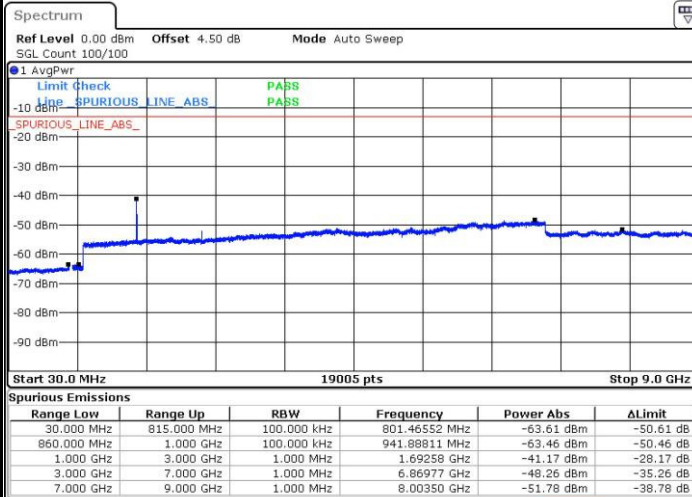
Date: 12 AUG.2016 16:45:39

## Middle Channel / 16QAM



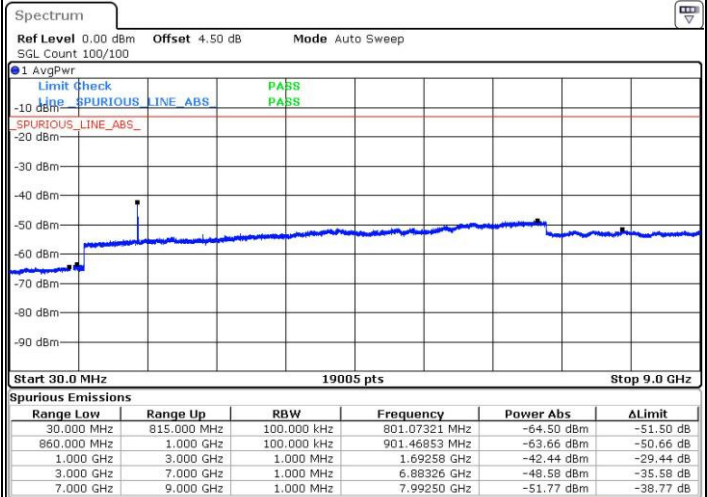
Date: 12 AUG.2016 16:46:34

## Highest Channel / QPSK



Date: 12 AUG.2016 17:00:43

## Highest Channel / 16QAM

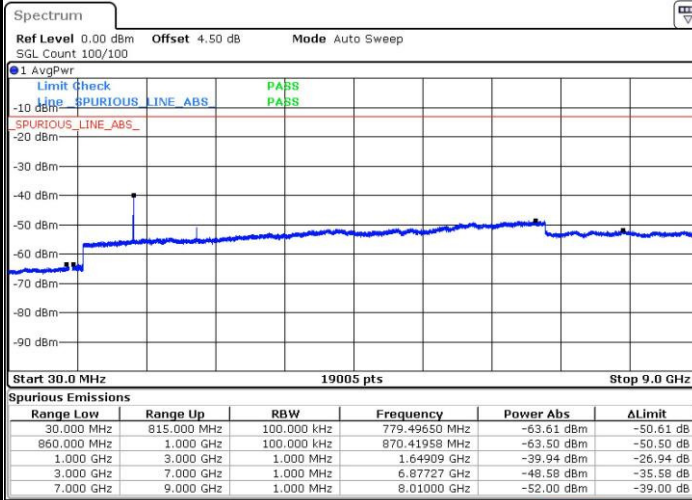


Date: 12 AUG.2016 17:01:38



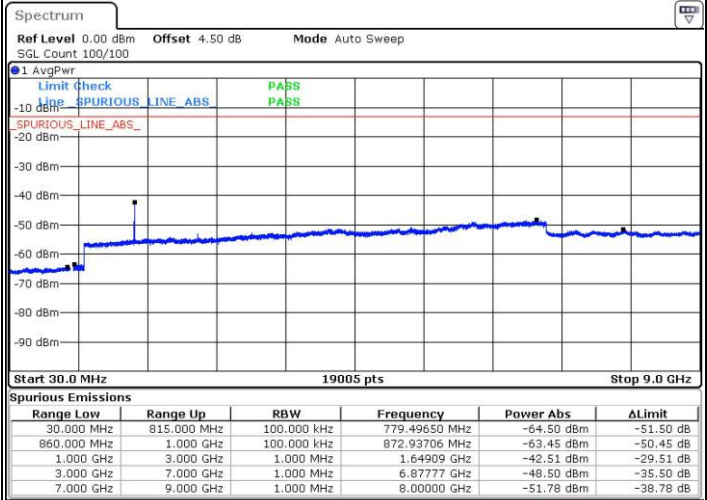
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



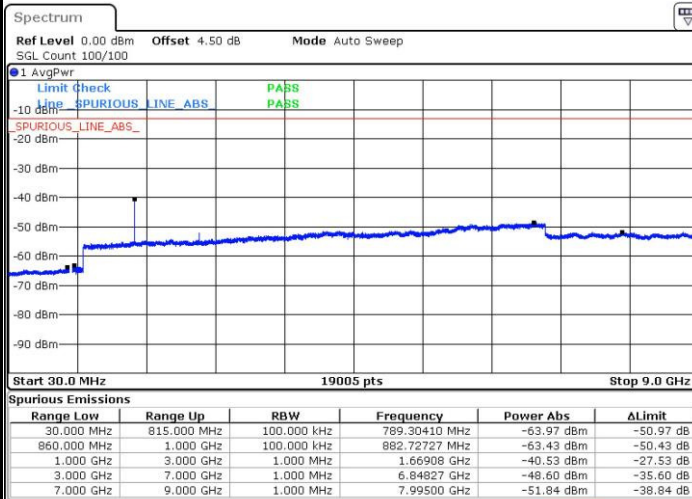
Date: 12 AUG.2016 17:15:47

## Lowest Channel / 16QAM



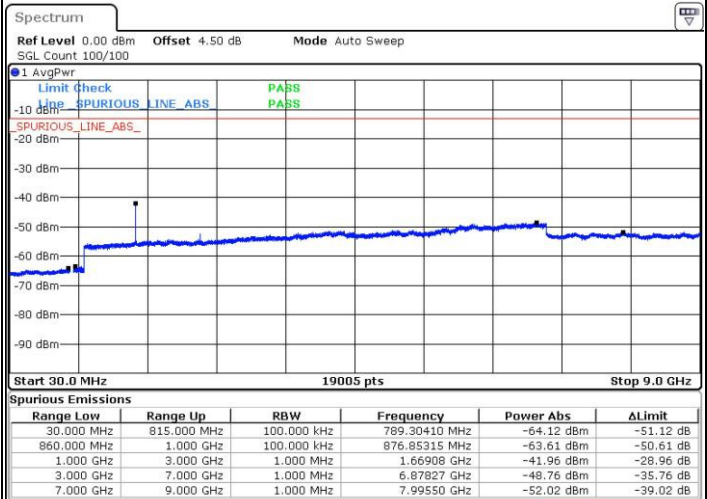
Date: 12 AUG.2016 17:16:42

## Middle Channel / QPSK



Date: 12 AUG.2016 17:18:20

## Middle Channel / 16QAM

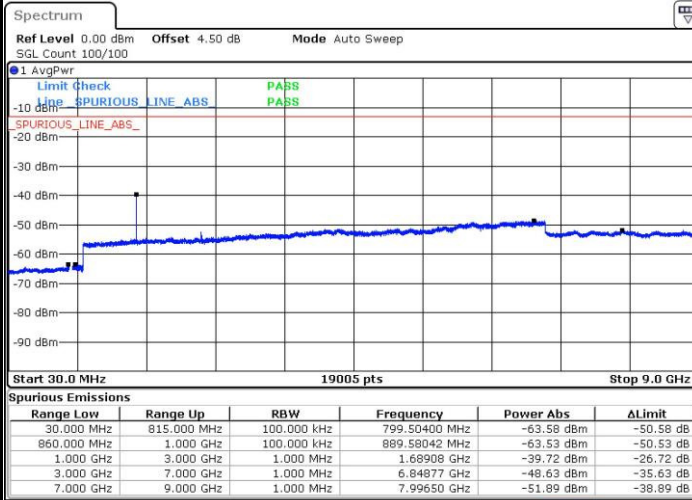


Date: 12 AUG.2016 17:19:15



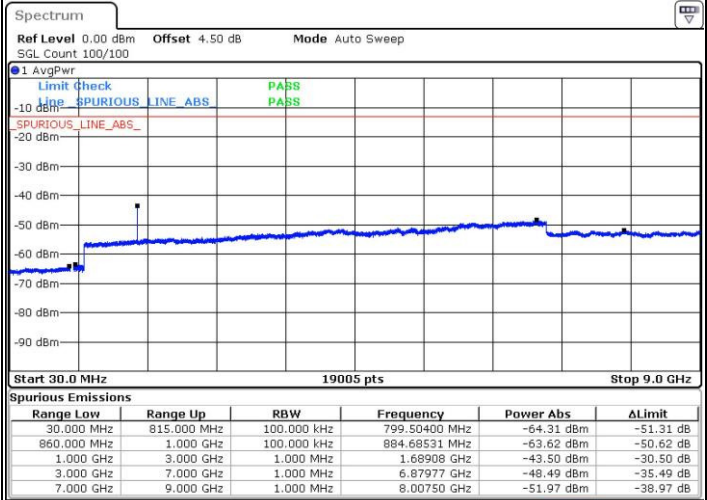
## LTE Band 5 / 5MHz

## Highest Channel / QPSK



Date: 12 AUG 2016 17:33:24

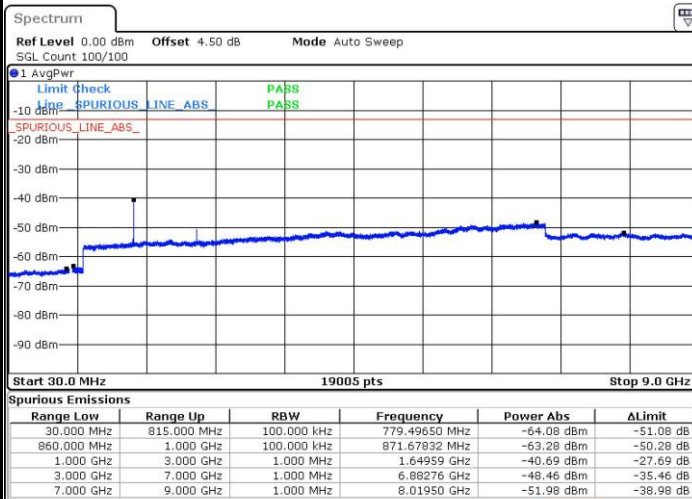
## Highest Channel / 16QAM



Date: 12 AUG 2016 17:34:19

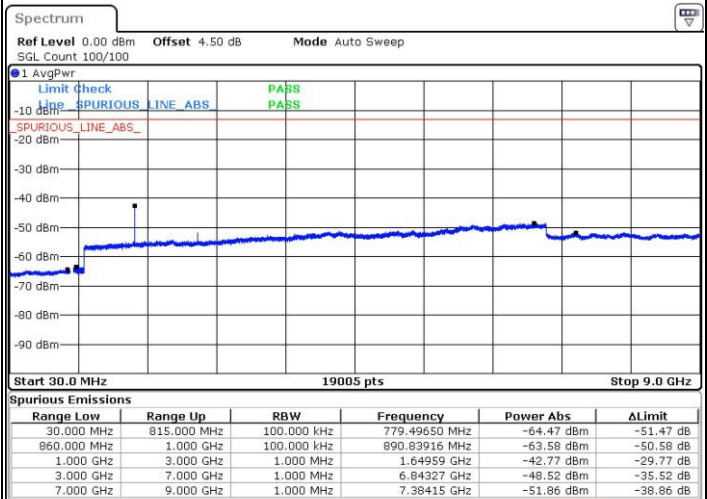
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



Date: 12 AUG 2016 17:48:28

## Lowest Channel / 16QAM

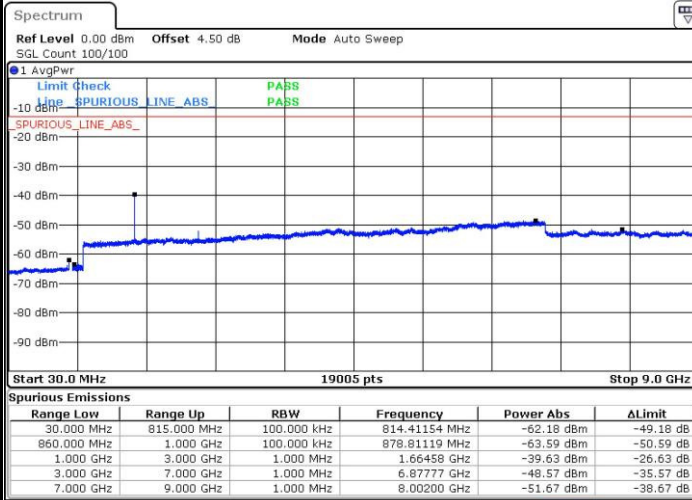


Date: 12 AUG 2016 17:49:23



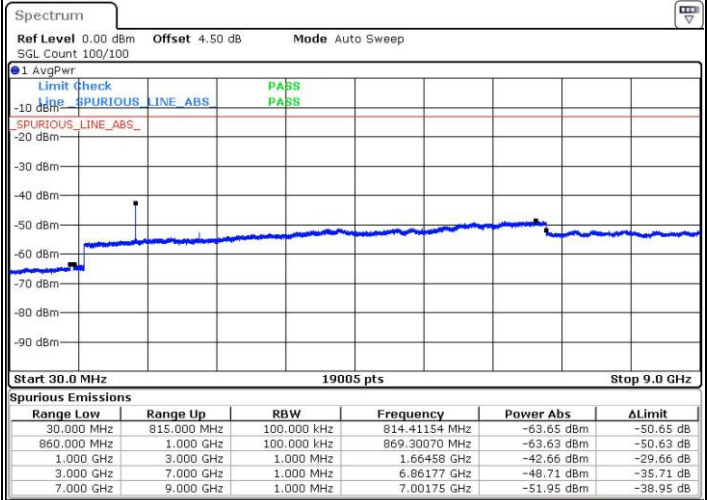
## LTE Band 5 / 10MHz

## Middle Channel / QPSK



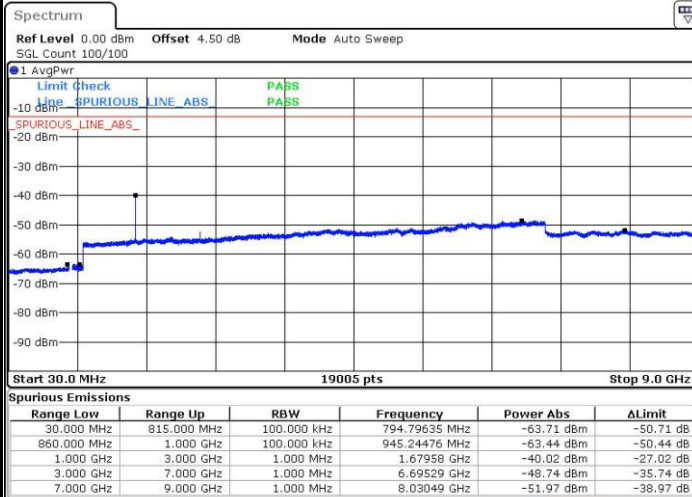
Date: 12 AUG.2016 17:51:00

## Middle Channel / 16QAM



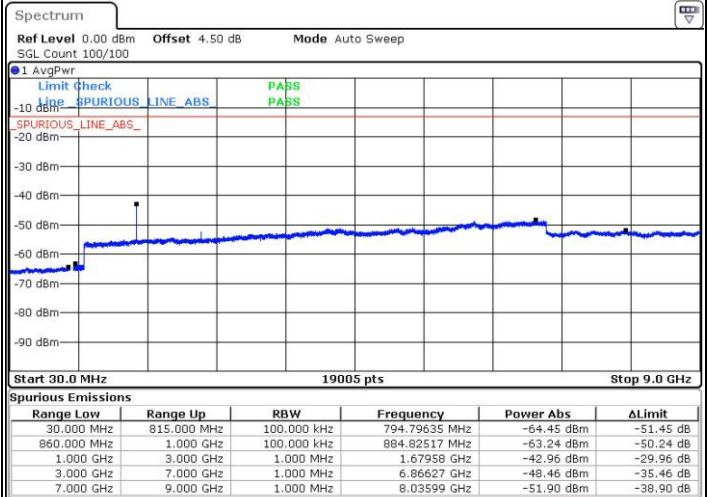
Date: 12 AUG.2016 17:51:55

## Highest Channel / QPSK



Date: 12 AUG.2016 18:06:04

## Highest Channel / 16QAM

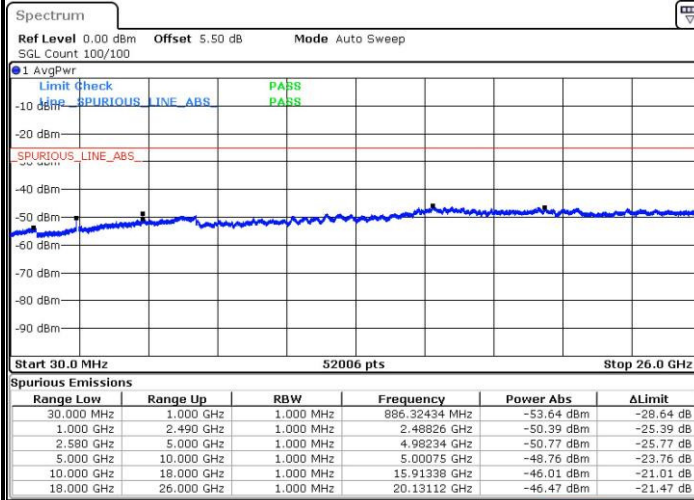


Date: 12 AUG.2016 18:06:59



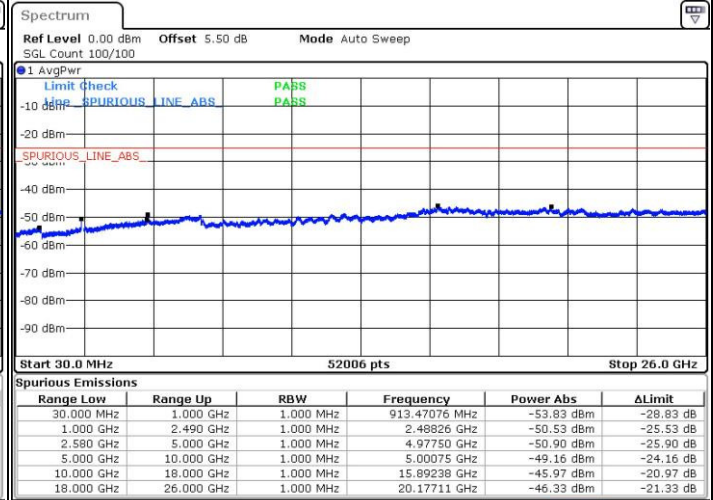
## LTE Band 7 / 5MHz

## Lowest Channel / QPSK



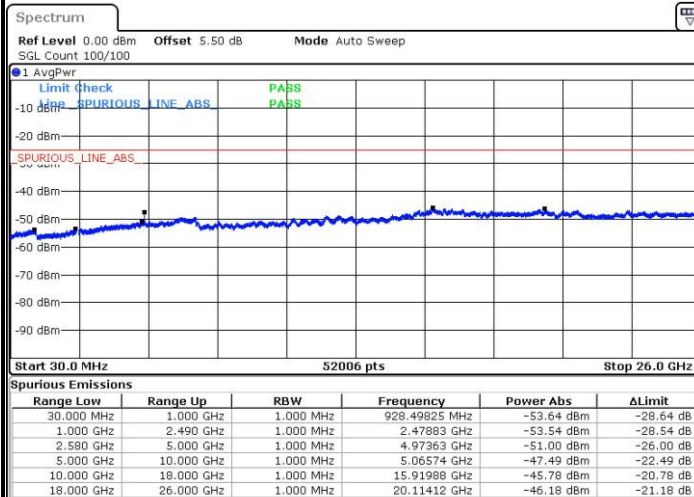
Date: 25 AUG 2016 11:17:43

## Lowest Channel / 16QAM



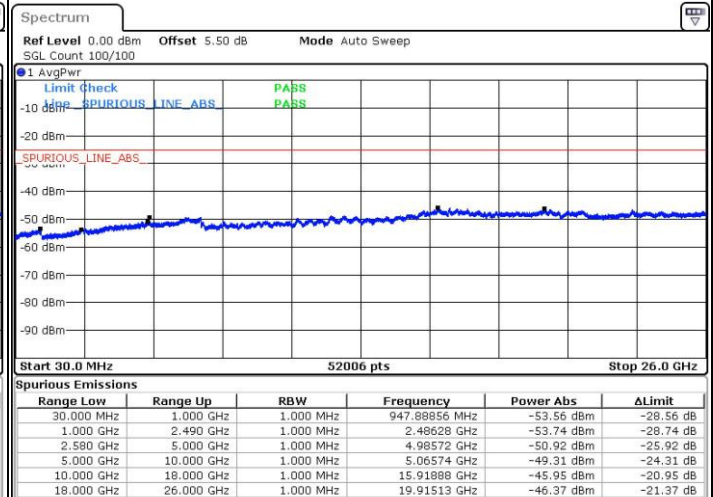
Date: 25 AUG 2016 11:18:38

## Middle Channel / QPSK



Date: 25 AUG 2016 11:20:27

## Middle Channel / 16QAM

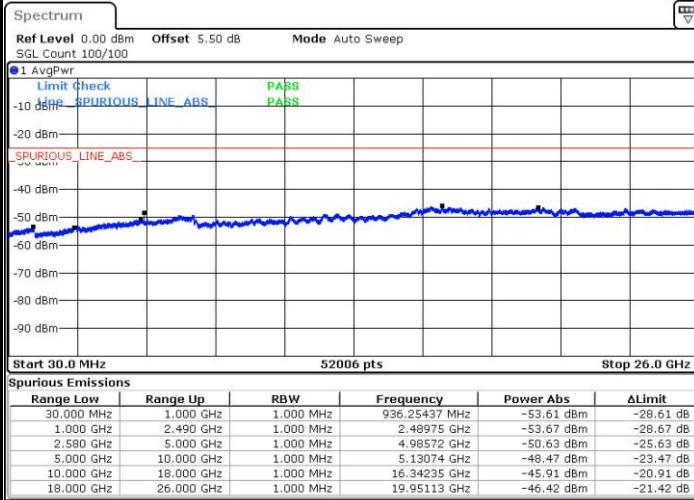


Date: 25 AUG 2016 11:19:33



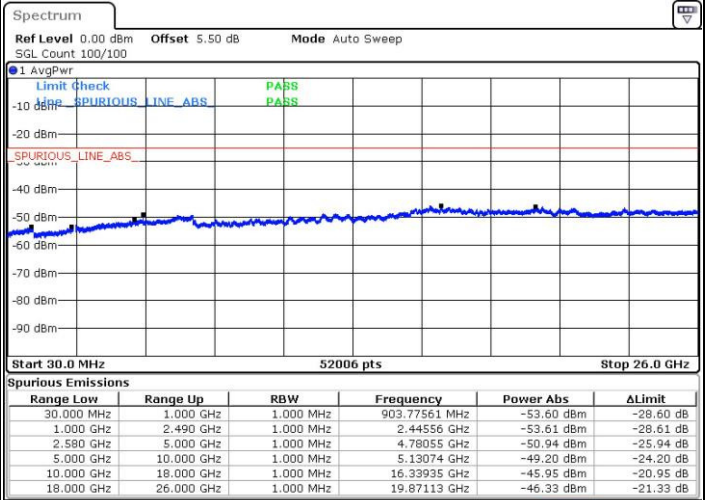
## LTE Band 7 / 5MHz

## Highest Channel / QPSK



Date: 25 AUG 2016 11:21:22

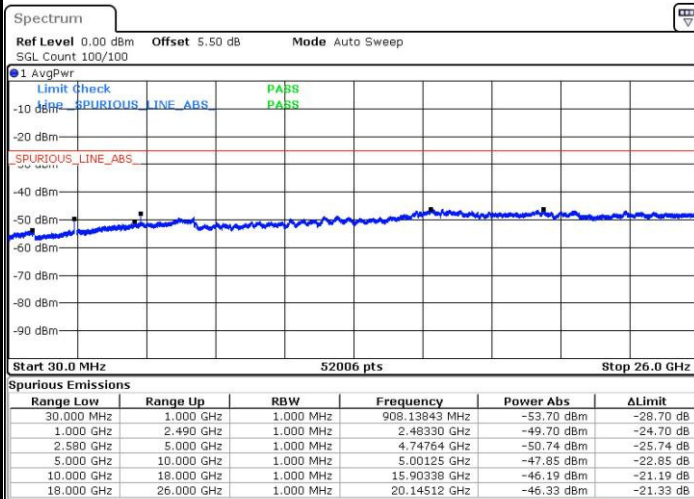
## Highest Channel / 16QAM



Date: 25 AUG 2016 11:22:17

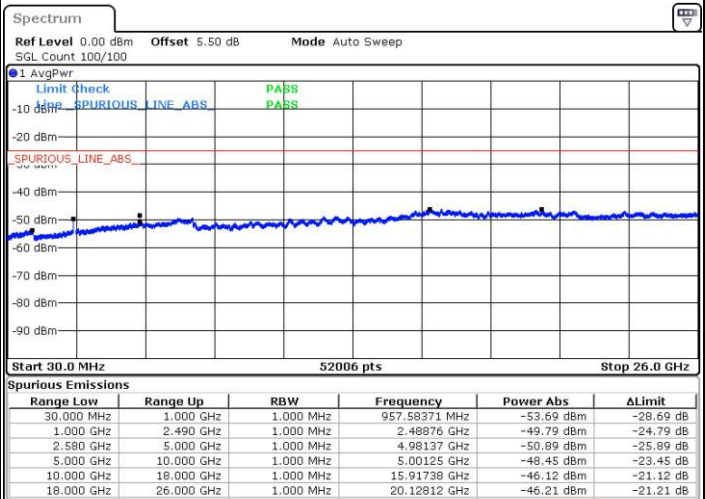
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK



Date: 25 AUG 2016 11:34:27

## Lowest Channel / 16QAM

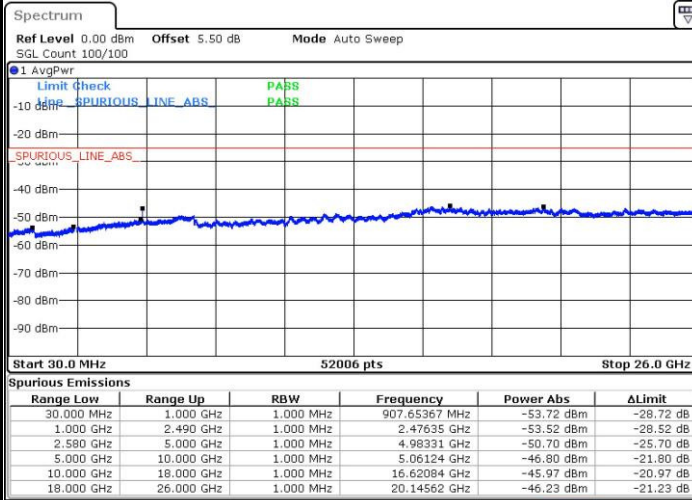


Date: 25 AUG 2016 11:35:22



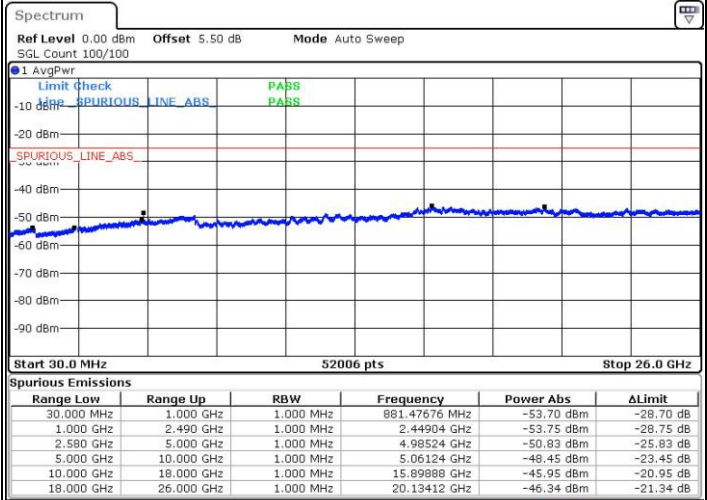
## LTE Band 7 / 10MHz

## Middle Channel / QPSK



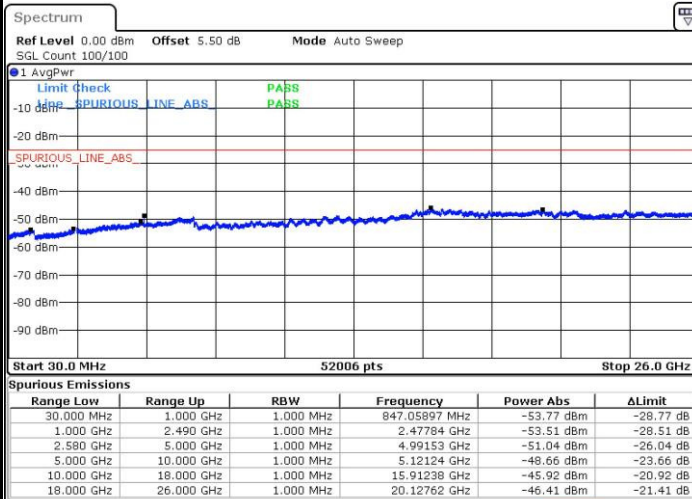
Date: 25 AUG 2016 11:37:11

## Middle Channel / 16QAM



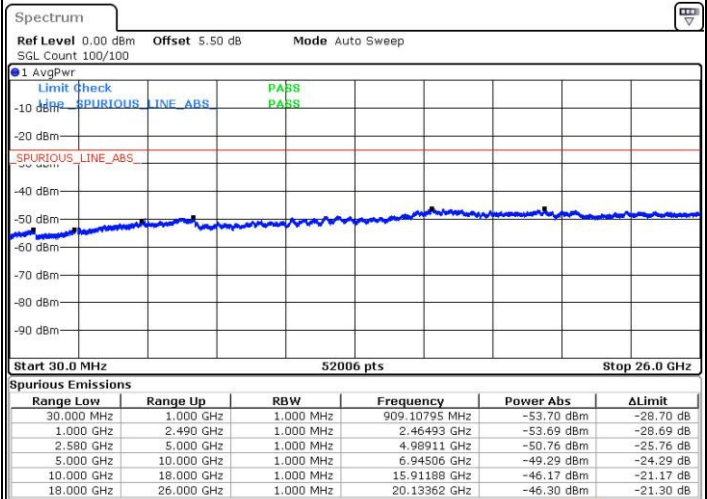
Date: 25 AUG 2016 11:36:17

## Highest Channel / QPSK



Date: 25 AUG 2016 11:38:06

## Highest Channel / 16QAM

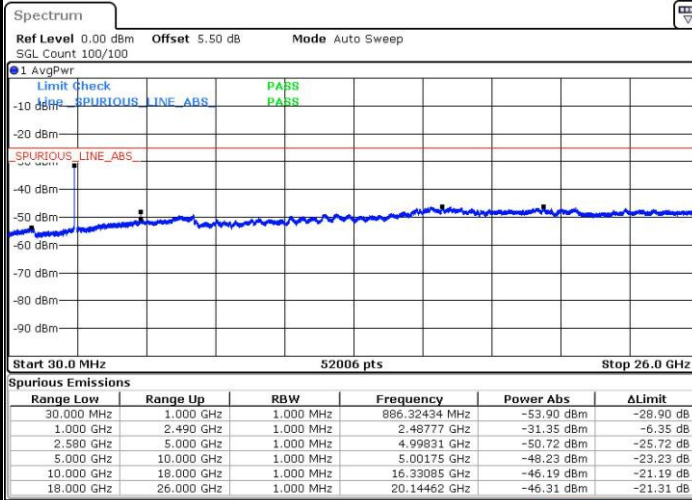


Date: 25 AUG 2016 11:39:01



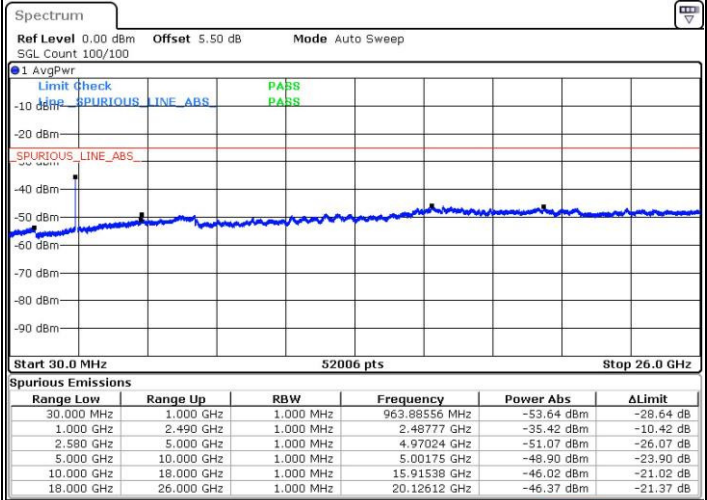
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



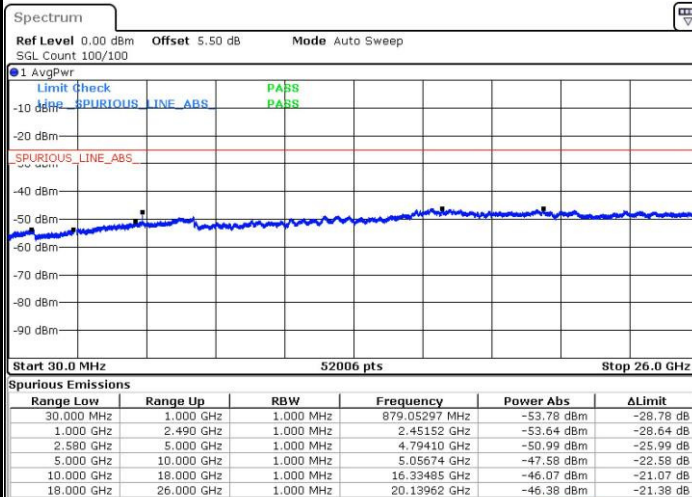
Date: 25 AUG 2016 11:51:11

## Lowest Channel / 16QAM



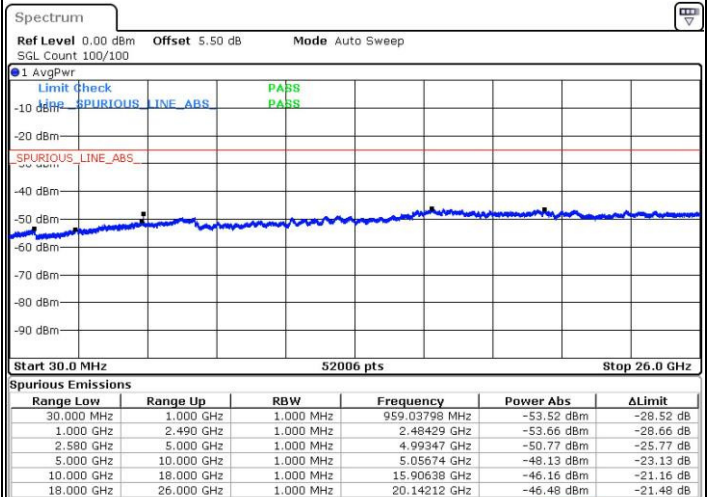
Date: 25 AUG 2016 11:52:06

## Middle Channel / QPSK



Date: 25 AUG 2016 11:53:55

## Middle Channel / 16QAM

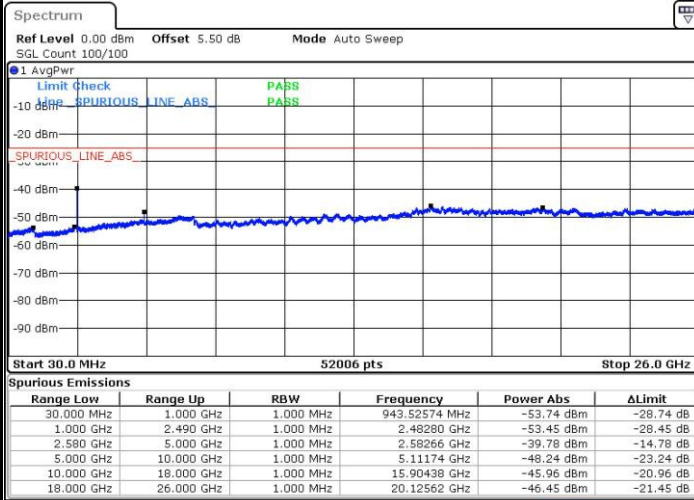


Date: 25 AUG 2016 11:53:01



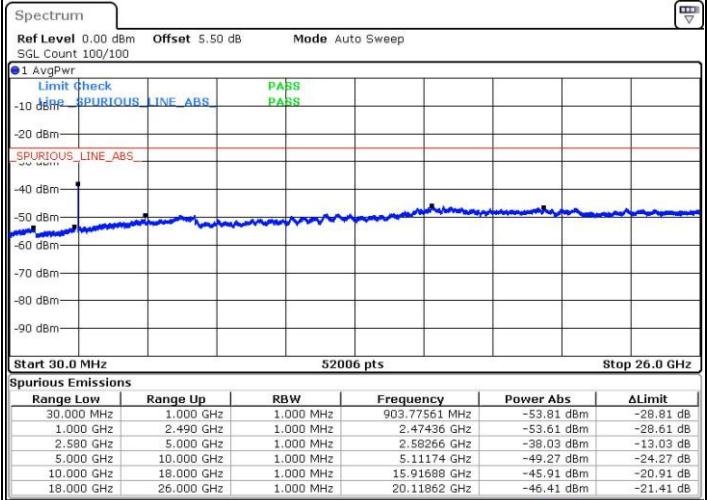
## LTE Band7 / 15MHz

## Highest Channel / QPSK



Date: 25 AUG 2016 11:54:50

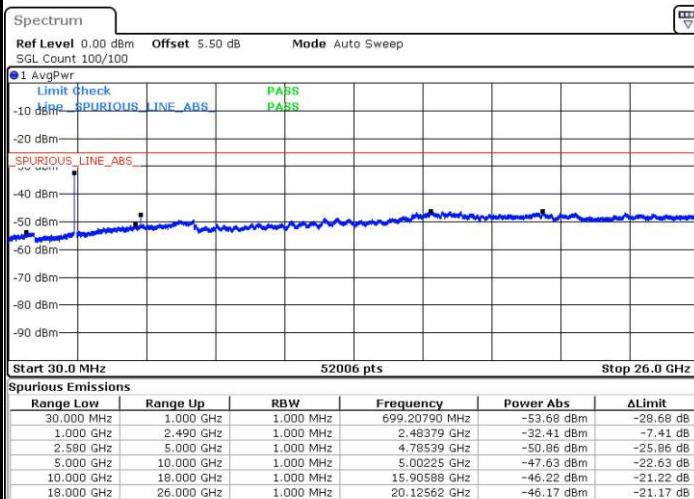
## Highest Channel / 16QAM



Date: 25 AUG 2016 11:55:45

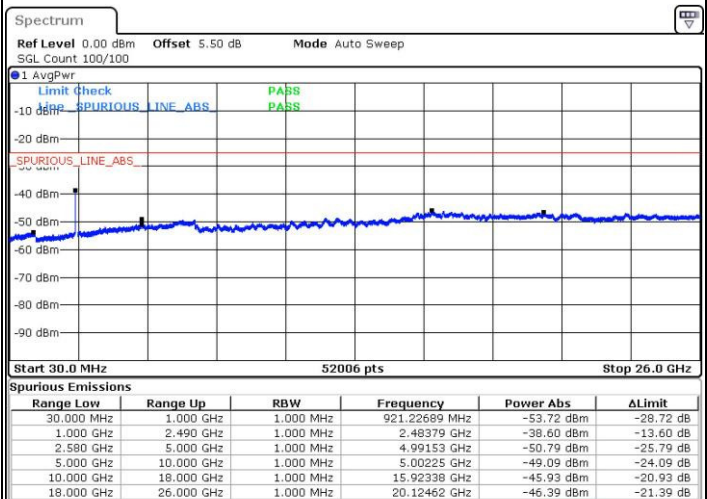
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



Date: 25 AUG 2016 12:07:55

## Lowest Channel / 16QAM

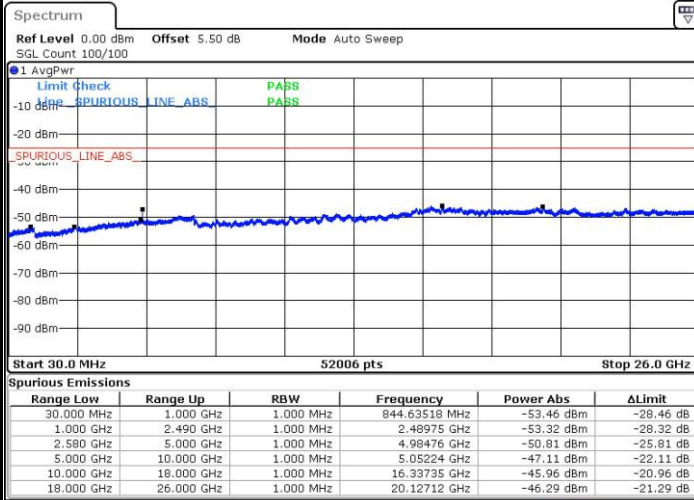


Date: 25 AUG 2016 12:08:50



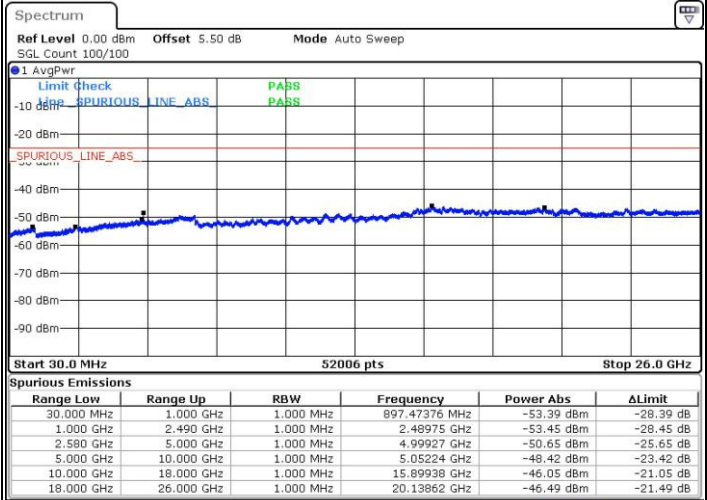
## LTE Band 7 / 20MHz

## Middle Channel / QPSK



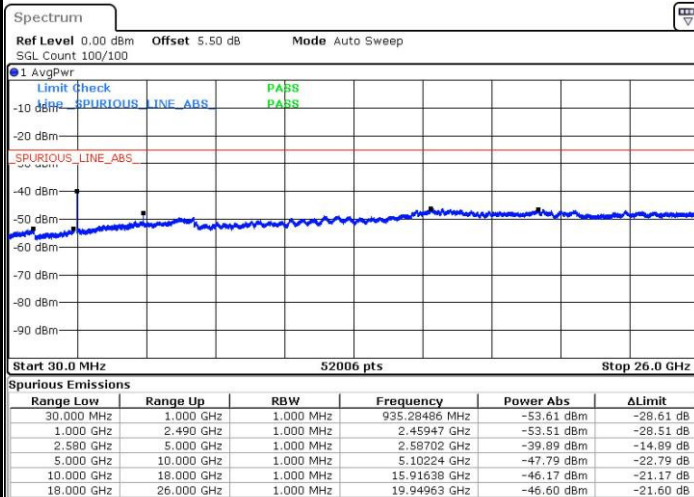
Date: 25 AUG 2016 12:10:39

## Middle Channel / 16QAM



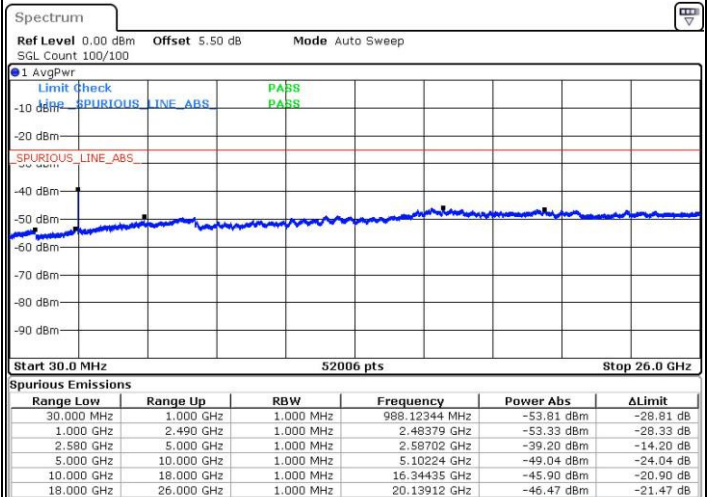
Date: 25 AUG 2016 12:09:45

## Highest Channel / QPSK



Date: 25 AUG 2016 12:11:34

## Highest Channel / 16QAM



Date: 25 AUG 2016 12:12:29

## Frequency Stability

| Test Conditions     |                   | LTE Band 2 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation<br>(ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0038                             | PASS    |
| 40                  | Normal Voltage    | 0.0039                             |         |
| 30                  | Normal Voltage    | 0.0017                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0021                             |         |
| 0                   | Normal Voltage    | 0.0020                             |         |
| -10                 | Normal Voltage    | 0.0018                             |         |
| -20                 | Normal Voltage    | 0.0038                             |         |
| -30                 | Normal Voltage    | 0.0044                             |         |
| 20                  | Maximum Voltage   | 0.0043                             |         |
| 20                  | Normal Voltage    | 0.0009                             |         |
| 20                  | Battery End Point | 0.0041                             |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

| Test Conditions     |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation<br>(ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0016                             | PASS    |
| 40                  | Normal Voltage    | 0.0006                             |         |
| 30                  | Normal Voltage    | 0.0001                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0009                             |         |
| 0                   | Normal Voltage    | 0.0009                             |         |
| -10                 | Normal Voltage    | 0.0001                             |         |
| -20                 | Normal Voltage    | 0.0008                             |         |
| -30                 | Normal Voltage    | 0.0021                             |         |
| 20                  | Maximum Voltage   | 0.0013                             |         |
| 20                  | Normal Voltage    | 0.0020                             |         |
| 20                  | Battery End Point | 0.0006                             |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation<br>(ppm)                 | Result |
| 50                  | Normal Voltage    | 0.0004                             | PASS   |
| 40                  | Normal Voltage    | 0.0022                             |        |
| 30                  | Normal Voltage    | 0.0042                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0030                             |        |
| 0                   | Normal Voltage    | 0.0006                             |        |
| -10                 | Normal Voltage    | 0.0012                             |        |
| -20                 | Normal Voltage    | 0.0007                             |        |
| -30                 | Normal Voltage    | 0.0002                             |        |
| 20                  | Maximum Voltage   | 0.0006                             |        |
| 20                  | Normal Voltage    | 0.0004                             |        |
| 20                  | Battery End Point | 0.0010                             |        |

**Note:** Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.

| Test Conditions     |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation<br>(ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0014                             | PASS    |
| 40                  | Normal Voltage    | 0.0006                             |         |
| 30                  | Normal Voltage    | 0.0008                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0003                             |         |
| 0                   | Normal Voltage    | 0.0013                             |         |
| -10                 | Normal Voltage    | 0.0015                             |         |
| -20                 | Normal Voltage    | 0.0014                             |         |
| -30                 | Normal Voltage    | 0.0002                             |         |
| 20                  | Maximum Voltage   | 0.0010                             |         |
| 20                  | Normal Voltage    | 0.0013                             |         |
| 20                  | Battery End Point | 0.0011                             |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

## Appendix B. Test Results of Radiated Test

### ERP/EIRP

| LTE Band 2 / 1.4MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 3    | 1      | 22.08      | 0.1616  | 22.17     | 0.1648  |
| Middle                        |            | 1    | 3      | 22.86      | 0.1931  | 22.95     | 0.1972  |
| Highest                       |            | 3    | 3      | 24.33      | 0.2710  | 24.26     | 0.2665  |
| Lowest                        | 16QAM      | 3    | 1      | 20.98      | 0.1253  | 21.11     | 0.1290  |
| Middle                        |            | 3    | 1      | 22.26      | 0.1683  | 22.23     | 0.1673  |
| Highest                       |            | 3    | 1      | 23.40      | 0.2189  | 23.25     | 0.2112  |
| Limit                         | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 2 / 3MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 14     | 21.70      | 0.1480  | 21.79     | 0.1509  |
| Middle                      |            | 1    | 8      | 22.89      | 0.1945  | 22.99     | 0.1990  |
| Highest                     |            | 1    | 14     | 24.36      | 0.2730  | 24.22     | 0.2644  |
| Lowest                      | 16QAM      | 1    | 8      | 20.14      | 0.1032  | 20.13     | 0.1031  |
| Middle                      |            | 1    | 8      | 21.67      | 0.1470  | 21.68     | 0.1472  |
| Highest                     |            | 1    | 0      | 23.01      | 0.1998  | 22.87     | 0.1938  |
| Limit                       | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 2 / 5MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 12     | 22.22      | 0.1667  | 22.31     | 0.1703  |
| Middle                      |            | 1    | 24     | 22.98      | 0.1988  | 22.69     | 0.1857  |
| Highest                     |            | 1    | 12     | 24.30      | 0.2690  | 24.06     | 0.2548  |
| Lowest                      | 16QAM      | 1    | 24     | 20.39      | 0.1094  | 20.50     | 0.1122  |
| Middle                      |            | 1    | 24     | 21.28      | 0.1343  | 21.46     | 0.1400  |
| Highest                     |            | 1    | 0      | 22.79      | 0.1900  | 22.57     | 0.1806  |
| Limit                       | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 2 / 10MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 0      | 21.78      | 0.1505  | 21.82     | 0.1520  |
| Middle                       |            | 1    | 25     | 22.97      | 0.1981  | 22.97     | 0.1980  |
| Highest                      |            | 1    | 25     | 24.02      | 0.2525  | 24.21     | 0.2637  |
| Lowest                       | 16QAM      | 1    | 25     | 20.59      | 0.1146  | 20.67     | 0.1166  |
| Middle                       |            | 1    | 25     | 21.95      | 0.1566  | 21.82     | 0.1520  |
| Highest                      |            | 1    | 25     | 22.51      | 0.1782  | 22.39     | 0.1734  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 2 / 15MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 0      | 21.85      | 0.1531  | 21.90     | 0.1549  |
| Middle                       |            | 1    | 74     | 23.35      | 0.2160  | 23.16     | 0.2072  |
| Highest                      |            | 1    | 37     | 24.18      | 0.2619  | 24.05     | 0.2542  |
| Lowest                       | 16QAM      | 1    | 0      | 20.18      | 0.1043  | 20.30     | 0.1073  |
| Middle                       |            | 1    | 74     | 21.66      | 0.1464  | 21.59     | 0.1443  |
| Highest                      |            | 1    | 74     | 22.63      | 0.1832  | 22.38     | 0.1729  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 2 / 20MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 49     | 21.93      | 0.1561  | 21.98     | 0.1578  |
| Middle                       |            | 1    | 49     | 23.00      | 0.1996  | 22.94     | 0.1969  |
| Highest                      |            | 1    | 49     | 23.90      | 0.2452  | 23.68     | 0.2333  |
| Lowest                       | 16QAM      | 1    | 49     | 19.92      | 0.0982  | 20.03     | 0.1006  |
| Middle                       |            | 1    | 99     | 21.75      | 0.1498  | 21.72     | 0.1485  |
| Highest                      |            | 1    | 49     | 22.05      | 0.1602  | 21.85     | 0.1532  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 1.4MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 1    | 3      | 22.12      | 0.1628  | 21.90     | 0.1549  |
| Middle                        |            | 3    | 0      | 22.34      | 0.1716  | 22.08     | 0.1615  |
| Highest                       |            | 3    | 1      | 21.44      | 0.1392  | 21.48     | 0.1405  |
| Lowest                        | 16QAM      | 1    | 5      | 21.13      | 0.1296  | 20.79     | 0.1200  |
| Middle                        |            | 3    | 3      | 21.32      | 0.1354  | 21.16     | 0.1307  |
| Highest                       |            | 3    | 3      | 20.44      | 0.1107  | 20.51     | 0.1125  |
| Limit                         | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 3MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 0      | 22.07      | 0.1610  | 21.65     | 0.1463  |
| Middle                      |            | 1    | 8      | 22.02      | 0.1591  | 21.79     | 0.1512  |
| Highest                     |            | 1    | 0      | 21.33      | 0.1360  | 21.16     | 0.1305  |
| Lowest                      | 16QAM      | 1    | 0      | 20.35      | 0.1084  | 20.03     | 0.1007  |
| Middle                      |            | 1    | 0      | 20.91      | 0.1234  | 20.79     | 0.1199  |
| Highest                     |            | 1    | 14     | 20.03      | 0.1006  | 20.25     | 0.1060  |
| Limit                       | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 5MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 0      | 21.92      | 0.1556  | 21.53     | 0.1421  |
| Middle                      |            | 1    | 12     | 22.24      | 0.1675  | 22.07     | 0.1610  |
| Highest                     |            | 1    | 24     | 21.39      | 0.1379  | 21.39     | 0.1379  |
| Lowest                      | 16QAM      | 1    | 0      | 20.48      | 0.1117  | 20.20     | 0.1047  |
| Middle                      |            | 1    | 0      | 20.97      | 0.1251  | 20.77     | 0.1194  |
| Highest                     |            | 1    | 24     | 20.23      | 0.1054  | 20.16     | 0.1038  |
| Limit                       | EIRP < 1W  |      |        | Result     |         | PASS      |         |



| LTE Band 4/ 10MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 0      | 21.88      | 0.1542  | 21.47     | 0.1403  |
| Middle                      |            | 1    | 25     | 20.60      | 0.1148  | 20.21     | 0.1050  |
| Highest                     |            | 1    | 49     | 22.15      | 0.1639  | 21.80     | 0.1515  |
| Lowest                      | 16QAM      | 1    | 0      | 20.97      | 0.1249  | 20.73     | 0.1183  |
| Middle                      |            | 1    | 0      | 21.10      | 0.1288  | 21.28     | 0.1344  |
| Highest                     |            | 1    | 0      | 20.05      | 0.1012  | 20.03     | 0.1007  |
| Limit                       | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 15MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 0      | 21.99      | 0.1582  | 21.57     | 0.1435  |
| Middle                       |            | 1    | 0      | 22.40      | 0.1737  | 21.99     | 0.1580  |
| Highest                      |            | 1    | 0      | 21.70      | 0.1478  | 21.49     | 0.1408  |
| Lowest                       | 16QAM      | 1    | 0      | 20.72      | 0.1181  | 20.17     | 0.1040  |
| Middle                       |            | 1    | 0      | 21.06      | 0.1276  | 20.56     | 0.1137  |
| Highest                      |            | 1    | 37     | 20.34      | 0.1082  | 20.03     | 0.1006  |
| Limit                        | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 20MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 49     | 22.41      | 0.1741  | 22.10     | 0.1621  |
| Middle                       |            | 1    | 49     | 22.32      | 0.1706  | 21.77     | 0.1505  |
| Highest                      |            | 1    | 49     | 21.55      | 0.1431  | 21.25     | 0.1332  |
| Lowest                       | 16QAM      | 1    | 0      | 20.92      | 0.1237  | 20.38     | 0.1092  |
| Middle                       |            | 1    | 0      | 21.15      | 0.1302  | 20.78     | 0.1196  |
| Highest                      |            | 1    | 0      | 20.65      | 0.1161  | 20.27     | 0.1064  |
| Limit                        | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 5 / 1.4MHz (Average) |            |      |        |            |        |          |        |
|-------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                       | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                               |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                        | QPSK       | 1    | 3      | 17.45      | 0.0556 | 8.11     | 0.0065 |
| Middle                        |            | 3    | 1      | 17.68      | 0.0587 | 8.40     | 0.0069 |
| Highest                       |            | 3    | 1      | 18.23      | 0.0665 | 8.99     | 0.0079 |
| Lowest                        | 16QAM      | 1    | 3      | 16.95      | 0.0496 | 7.35     | 0.0054 |
| Middle                        |            | 3    | 3      | 17.54      | 0.0568 | 8.11     | 0.0065 |
| Highest                       |            | 3    | 3      | 18.06      | 0.0639 | 8.81     | 0.0076 |
| Limit                         | ERP < 7W   |      |        | Result     |        | PASS     |        |

| LTE Band 5 / 3MHz (Average) |            |      |        |            |        |          |        |
|-----------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                     | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                             |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                      | QPSK       | 1    | 14     | 16.80      | 0.0478 | 7.50     | 0.0056 |
| Middle                      |            | 1    | 14     | 16.31      | 0.0428 | 6.75     | 0.0047 |
| Highest                     |            | 1    | 0      | 17.65      | 0.0582 | 8.24     | 0.0067 |
| Lowest                      | 16QAM      | 1    | 14     | 17.20      | 0.0525 | 7.89     | 0.0062 |
| Middle                      |            | 1    | 14     | 18.05      | 0.0638 | 8.83     | 0.0076 |
| Highest                     |            | 1    | 14     | 17.54      | 0.0568 | 8.21     | 0.0066 |
| Limit                       | ERP < 7W   |      |        | Result     |        | PASS     |        |



| LTE Band 5 / 5MHz (Average) |            |      |        |            |        |          |        |
|-----------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                     | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                             |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                      | QPSK       | 1    | 12     | 17.12      | 0.0515 | 8.02     | 0.0063 |
| Middle                      |            | 1    | 12     | 17.59      | 0.0574 | 8.34     | 0.0068 |
| Highest                     |            | 1    | 12     | 18.02      | 0.0633 | 8.81     | 0.0076 |
| Lowest                      | 16QAM      | 1    | 12     | 16.48      | 0.0445 | 7.12     | 0.0052 |
| Middle                      |            | 1    | 12     | 17.34      | 0.0542 | 7.80     | 0.0060 |
| Highest                     |            | 1    | 0      | 17.26      | 0.0533 | 7.90     | 0.0062 |
| Limit                       | ERP < 7W   |      |        | Result     |        | PASS     |        |

| LTE Band 5 / 10MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 25     | 17.41      | 0.0551 | 8.00     | 0.0063 |
| Middle                       |            | 1    | 25     | 17.36      | 0.0545 | 8.04     | 0.0064 |
| Highest                      |            | 1    | 25     | 17.90      | 0.0616 | 8.57     | 0.0072 |
| Lowest                       | 16QAM      | 1    | 25     | 17.00      | 0.0501 | 6.98     | 0.0050 |
| Middle                       |            | 1    | 25     | 16.97      | 0.0498 | 7.00     | 0.0050 |
| Highest                      |            | 1    | 25     | 17.08      | 0.0511 | 7.97     | 0.0063 |
| Limit                        | ERP < 7W   |      |        | Result     |        | PASS     |        |



| LTE Band 7 / 5MHz (Average) |            |      |        |            |         |           |         |
|-----------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                     | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                             |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                      | QPSK       | 1    | 24     | 23.77      | 0.2382  | 23.69     | 0.2341  |
| Middle                      |            | 1    | 12     | 24.40      | 0.2756  | 24.01     | 0.2520  |
| Highest                     |            | 1    | 24     | 23.21      | 0.2093  | 23.25     | 0.2113  |
| Lowest                      | 16QAM      | 1    | 24     | 22.43      | 0.1748  | 22.11     | 0.1624  |
| Middle                      |            | 1    | 0      | 22.78      | 0.1898  | 22.30     | 0.1698  |
| Highest                     |            | 1    | 0      | 21.83      | 0.1524  | 21.75     | 0.1496  |
| Limit                       | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 10MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 25     | 23.51      | 0.2242  | 23.40     | 0.2190  |
| Middle                       |            | 1    | 49     | 24.28      | 0.2678  | 24.05     | 0.2540  |
| Highest                      |            | 1    | 25     | 23.20      | 0.2088  | 23.33     | 0.2153  |
| Lowest                       | 16QAM      | 1    | 49     | 22.35      | 0.1719  | 21.98     | 0.1576  |
| Middle                       |            | 1    | 0      | 22.76      | 0.1889  | 22.20     | 0.1658  |
| Highest                      |            | 1    | 0      | 21.89      | 0.1545  | 21.54     | 0.1426  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 15MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 0      | 23.58      | 0.2278  | 23.71     | 0.2352  |
| Middle                       |            | 1    | 37     | 24.06      | 0.2547  | 23.95     | 0.2484  |
| Highest                      |            | 1    | 37     | 23.48      | 0.2231  | 23.64     | 0.2313  |
| Lowest                       | 16QAM      | 1    | 0      | 21.75      | 0.1498  | 21.48     | 0.1405  |
| Middle                       |            | 1    | 37     | 22.74      | 0.1879  | 22.15     | 0.1641  |
| Highest                      |            | 1    | 0      | 21.99      | 0.1582  | 21.58     | 0.1437  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 20MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 1    | 49     | 23.42      | 0.2197  | 23.42     | 0.2199  |
| Middle                       |            | 1    | 49     | 23.94      | 0.2478  | 23.85     | 0.2428  |
| Highest                      |            | 1    | 49     | 23.38      | 0.2177  | 23.51     | 0.2246  |
| Lowest                       | 16QAM      | 1    | 0      | 21.67      | 0.1467  | 21.37     | 0.1370  |
| Middle                       |            | 1    | 49     | 22.22      | 0.1666  | 21.64     | 0.1459  |
| Highest                      |            | 1    | 0      | 22.32      | 0.1707  | 21.79     | 0.1511  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

**Radiated Spurious Emission**

| LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                          | 3759.1               | -64.69          | -13              | -51.69                  | -73.70                  | -69.55                   | 1.93                       | 6.80                        | H                     |
|                                                 | 5638.68              | -57.69          | -13              | -44.69                  | -65.61                  | -64.99                   | 2.40                       | 9.70                        | H                     |
|                                                 | 7518.2               | -61.28          | -13              | -48.28                  | -71.65                  | -70.33                   | 2.76                       | 11.81                       | H                     |
|                                                 | 3762                 | -64.13          | -13              | -51.13                  | -73.44                  | -69.00                   | 1.93                       | 6.80                        | V                     |
|                                                 | 5638.65              | -62.19          | -13              | -49.19                  | -70.14                  | -69.49                   | 2.40                       | 9.70                        | V                     |
|                                                 | 7518.2               | -58.20          | -13              | -45.20                  | -70.69                  | -67.25                   | 2.76                       | 11.81                       | V                     |

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

| LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                 | -63.93          | -13              | -50.93                  | -72.94                  | -68.79                   | 1.93                       | 6.80                        | H                     |
|                                               | 5636.22              | -58.35          | -13              | -45.35                  | -66.27                  | -65.65                   | 2.40                       | 9.70                        | H                     |
|                                               | 7514.96              | -61.50          | -13              | -48.50                  | -71.87                  | -70.55                   | 2.76                       | 11.81                       | H                     |
|                                               | 3756                 | -64.16          | -13              | -51.16                  | -73.47                  | -69.03                   | 1.93                       | 6.80                        | V                     |
|                                               | 5636.22              | -62.25          | -13              | -49.25                  | -70.2                   | -69.55                   | 2.40                       | 9.70                        | V                     |
|                                               | 7514.96              | -59.80          | -13              | -46.80                  | -72.29                  | -68.85                   | 2.76                       | 11.81                       | V                     |

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



| LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                        | 3755.68              | -63.66          | -13              | -50.66                  | -72.67                  | -68.52                   | 1.93                       | 6.80                        | H                     |
|                                               | 5634                 | -58.88          | -13              | -45.88                  | -66.80                  | -66.18                   | 2.40                       | 9.70                        | H                     |
|                                               | 7511.36              | -61.19          | -13              | -48.19                  | -71.56                  | -70.24                   | 2.76                       | 11.81                       | H                     |
|                                               | 3756                 | -65.09          | -13              | -52.09                  | -74.4                   | -69.96                   | 1.93                       | 6.80                        | V                     |
|                                               | 5633.52              | -63.22          | -13              | -50.22                  | -71.17                  | -70.52                   | 2.40                       | 9.70                        | V                     |
|                                               | 7512                 | -59.80          | -13              | -46.80                  | -72.29                  | -68.85                   | 2.76                       | 11.81                       | V                     |

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

| LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 3750                 | -62.78          | -13              | -49.78                  | -71.79                  | -67.64                   | 1.93                       | 6.80                        | H                     |
|                                                | 5626.77              | -57.83          | -13              | -44.83                  | -65.75                  | -65.13                   | 2.40                       | 9.70                        | H                     |
|                                                | 7502.36              | -61.39          | -13              | -48.39                  | -71.76                  | -70.44                   | 2.76                       | 11.81                       | H                     |
|                                                | 3750                 | -63.75          | -13              | -50.75                  | -73.06                  | -68.62                   | 1.93                       | 6.80                        | V                     |
|                                                | 5626.77              | -62.80          | -13              | -49.80                  | -70.75                  | -70.10                   | 2.40                       | 9.70                        | V                     |
|                                                | 7502.36              | -59.43          | -13              | -46.43                  | -71.92                  | -68.48                   | 2.76                       | 11.81                       | V                     |

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



| LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 3746.68              | -62.46          | -13              | -49.46                  | -71.47                  | -67.32                   | 1.93                       | 6.80                        | H                     |
|                                                | 5620.02              | -58.64          | -13              | -45.64                  | -66.56                  | -65.94                   | 2.40                       | 9.70                        | H                     |
|                                                | 7493.36              | -60.86          | -13              | -47.86                  | -71.23                  | -69.91                   | 2.76                       | 11.81                       | H                     |
|                                                | 3746.68              | -64.12          | -13              | -51.12                  | -73.43                  | -68.99                   | 1.93                       | 6.80                        | V                     |
|                                                | 5620.02              | -61.85          | -13              | -48.85                  | -69.8                   | -69.15                   | 2.40                       | 9.70                        | V                     |
|                                                | 7493.36              | -59.66          | -13              | -46.66                  | -72.15                  | -68.71                   | 2.76                       | 11.81                       | V                     |

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

| LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 3744                 | -62.84          | -13              | -49.84                  | -71.85                  | -67.70                   | 1.93                       | 6.80                        | H                     |
|                                                | 5613.27              | -61.83          | -13              | -48.83                  | -69.75                  | -69.13                   | 2.40                       | 9.70                        | H                     |
|                                                | 7484.36              | -61.52          | -13              | -48.52                  | -71.89                  | -70.57                   | 2.76                       | 11.81                       | H                     |
|                                                | 3744                 | -63.93          | -13              | -50.93                  | -73.24                  | -68.80                   | 1.93                       | 6.80                        | V                     |
|                                                | 5613.27              | -63.01          | -13              | -50.01                  | -70.96                  | -70.31                   | 2.40                       | 9.70                        | V                     |
|                                                | 7484.36              | -59.01          | -13              | -46.01                  | -71.5                   | -68.06                   | 2.76                       | 11.81                       | V                     |

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



| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                         | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                          | 3462              | -61.72       | -13           | -48.72            | -68.51            | -66.61             | 1.81                 | 6.70                  | H                  |
|                                                 | 5196              | -55.53       | -13           | -42.53            | -68.21            | -62.43             | 2.23                 | 9.13                  | H                  |
|                                                 | 6930              | -60.13       | -13           | -47.13            | -75.31            | -68.19             | 2.60                 | 10.66                 | H                  |
|                                                 | 8658              | -55.12       | -13           | -42.12            | -74.45            | -65.02             | 2.96                 | 12.86                 | H                  |
|                                                 | 3462              | -61.96       | -13           | -48.96            | -67.16            | -66.85             | 1.81                 | 6.70                  | V                  |
|                                                 | 5196              | -50.01       | -13           | -37.01            | -63.56            | -56.91             | 2.23                 | 9.13                  | V                  |
|                                                 | 6927.84           | -60.37       | -13           | -47.37            | -75.42            | -68.43             | 2.6                  | 10.66                 | V                  |
|                                                 | 8658              | -54.14       | -13           | -41.14            | -72.24            | -64.04             | 2.96                 | 12.86                 | V                  |

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

| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                       | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                        | 3462              | -60.40       | -13           | -47.40            | -67.19            | -65.29             | 1.81                 | 6.70                  | H                  |
|                                               | 5196              | -55.59       | -13           | -42.59            | -68.27            | -62.49             | 2.23                 | 9.13                  | H                  |
|                                               | 6924              | -60.42       | -13           | -47.42            | -75.60            | -68.48             | 2.60                 | 10.66                 | H                  |
|                                               | 3462              | -61.78       | -13           | -48.78            | -66.98            | -66.67             | 1.81                 | 6.70                  | V                  |
|                                               | 5196              | -51.69       | -13           | -38.69            | -65.24            | -58.59             | 2.23                 | 9.13                  | V                  |
|                                               | 6924              | -60.81       | -13           | -47.81            | -75.86            | -68.87             | 2.6                  | 10.66                 | V                  |

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



| LTE Band 4 / 5MHz / QPSK |                   |              |               |                   |                   |                    |                      |                       |                    |
|--------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                   | 3462              | -60.39       | -13           | -47.39            | -67.18            | -65.28             | 1.81                 | 6.70                  | H                  |
|                          | 5190              | -55.12       | -13           | -42.12            | -67.80            | -62.02             | 2.23                 | 9.13                  | H                  |
|                          | 6921.36           | -60.13       | -13           | -47.13            | -75.31            | -68.19             | 2.60                 | 10.66                 | H                  |
|                          | 8652              | -55.06       | -13           | -42.06            | -74.39            | -64.96             | 2.96                 | 12.86                 | H                  |
|                          | 3462              | -62.41       | -13           | -49.41            | -67.61            | -67.30             | 1.81                 | 6.70                  | V                  |
|                          | 5190              | -49.05       | -13           | -36.05            | -62.6             | -55.95             | 2.23                 | 9.13                  | V                  |
|                          | 6924              | -60.87       | -13           | -47.87            | -75.92            | -68.93             | 2.6                  | 10.66                 | V                  |
|                          | 8652              | -54.33       | -13           | -41.33            | -72.43            | -64.23             | 2.96                 | 12.86                 | V                  |

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

| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0 |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                        | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                                         | 3456              | -62.08       | -13           | -49.08            | -68.87            | -66.97             | 1.81                 | 6.70                  | H                  |
|                                                | 5184              | -54.08       | -13           | -41.08            | -66.76            | -60.98             | 2.23                 | 9.13                  | H                  |
|                                                | 6912              | -60.55       | -13           | -47.55            | -75.73            | -68.61             | 2.60                 | 10.66                 | H                  |
|                                                | 3456              | -60.21       | -13           | -47.21            | -65.41            | -65.10             | 1.81                 | 6.70                  | V                  |
|                                                | 5184              | -48.61       | -13           | -35.61            | -62.16            | -55.51             | 2.23                 | 9.13                  | V                  |
|                                                | 6912              | -60.35       | -13           | -47.35            | -75.4             | -68.41             | 2.6                  | 10.66                 | V                  |

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



| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 3450                 | -62.09          | -13              | -49.09                  | -68.88                  | -66.98                   | 1.81                       | 6.70                        | H                     |
|                                                | 5178                 | -54.42          | -13              | -41.42                  | -67.10                  | -61.32                   | 2.23                       | 9.13                        | H                     |
|                                                | 6906                 | -60.59          | -13              | -47.59                  | -75.77                  | -68.65                   | 2.60                       | 10.66                       | H                     |
|                                                | 3450                 | -61.15          | -13              | -48.15                  | -66.35                  | -66.04                   | 1.81                       | 6.70                        | V                     |
|                                                | 5178                 | -48.33          | -13              | -35.33                  | -61.88                  | -55.23                   | 2.23                       | 9.13                        | V                     |
|                                                | 6906                 | -60.77          | -13              | -47.77                  | -75.82                  | -68.83                   | 2.6                        | 10.66                       | V                     |

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

| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 3444                 | -58.97          | -13              | -45.97                  | -65.76                  | -63.86                   | 1.81                       | 6.70                        | H                     |
|                                                | 5172                 | -56.72          | -13              | -43.72                  | -69.40                  | -63.62                   | 2.23                       | 9.13                        | H                     |
|                                                | 6894                 | -60.69          | -13              | -47.69                  | -75.87                  | -68.75                   | 2.60                       | 10.66                       | H                     |
|                                                | 3444                 | -61.10          | -13              | -48.10                  | -66.3                   | -65.99                   | 1.81                       | 6.70                        | V                     |
|                                                | 5172                 | -48.88          | -13              | -35.88                  | -62.43                  | -55.78                   | 2.23                       | 9.13                        | V                     |
|                                                | 6894.36              | -61.06          | -13              | -48.06                  | -76.11                  | -69.12                   | 2.6                        | 10.66                       | V                     |

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



| LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                          | 1672.1               | -68.70         | -13              | -55.70                  | -66.90                  | -70.52                   | 1.23                       | 5.20                        | H                     |
|                                                 | 2508.15              | -67.78         | -13              | -54.78                  | -72.63                  | -70.01                   | 1.52                       | 5.90                        | H                     |
|                                                 | 3344                 | -67.55         | -13              | -54.55                  | -75.11                  | -70.33                   | 1.77                       | 6.70                        | H                     |
|                                                 | 1672                 | -63.38         | -13              | -50.38                  | -61.33                  | -65.20                   | 1.23                       | 5.20                        | V                     |
|                                                 | 2508.15              | -64.22         | -13              | -51.22                  | -72.52                  | -66.45                   | 1.52                       | 5.90                        | V                     |
|                                                 | 3344.2               | -64.35         | -13              | -51.35                  | -75.45                  | -67.13                   | 1.77                       | 6.70                        | V                     |

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

| LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                 | -66.48         | -13              | -53.48                  | -64.68                  | -68.30                   | 1.23                       | 5.20                        | H                     |
|                                               | 2505.72              | -67.91         | -13              | -54.91                  | -72.76                  | -70.14                   | 1.52                       | 5.90                        | H                     |
|                                               | 3340.96              | -67.49         | -13              | -54.49                  | -75.05                  | -70.27                   | 1.77                       | 6.70                        | H                     |
|                                               | 1672                 | -62.46         | -13              | -49.46                  | -60.41                  | -64.28                   | 1.23                       | 5.20                        | V                     |
|                                               | 2505.72              | -65.13         | -13              | -52.13                  | -73.43                  | -67.36                   | 1.52                       | 5.90                        | V                     |
|                                               | 3340.96              | -64.21         | -13              | -51.21                  | -75.31                  | -66.99                   | 1.77                       | 6.70                        | V                     |

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



| LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                 | -67.89         | -13              | -54.89                  | -66.09                  | -69.71                   | 1.23                       | 5.20                        | H                     |
|                                               | 2503.02              | -66.53         | -13              | -53.53                  | -71.38                  | -68.76                   | 1.52                       | 5.90                        | H                     |
|                                               | 3337.36              | -67.05         | -13              | -54.05                  | -74.61                  | -69.83                   | 1.77                       | 6.70                        | H                     |
|                                               | 1668.68              | -66.18         | -13              | -53.18                  | -64.13                  | -68.00                   | 1.23                       | 5.20                        | V                     |
|                                               | 2504                 | -62.24         | -13              | -49.24                  | -70.54                  | -64.47                   | 1.52                       | 5.90                        | V                     |
|                                               | 3337.36              | -63.50         | -13              | -50.50                  | -74.60                  | -66.28                   | 1.77                       | 6.70                        | V                     |

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

| LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 1664.18              | -67.78         | -13              | -54.78                  | -65.98                  | -69.60                   | 1.23                       | 5.20                        | H                     |
|                                                | 2496.27              | -66.48         | -13              | -53.48                  | -71.33                  | -68.71                   | 1.52                       | 5.90                        | H                     |
|                                                | 3328                 | -67.13         | -13              | -54.13                  | -74.69                  | -69.91                   | 1.77                       | 6.70                        | H                     |
|                                                | 1664                 | -66.26         | -13              | -53.26                  | -64.21                  | -68.08                   | 1.23                       | 5.20                        | V                     |
|                                                | 2496.27              | -63.05         | -13              | -50.05                  | -71.35                  | -65.28                   | 1.52                       | 5.90                        | V                     |
|                                                | 3328.36              | -63.86         | -13              | -50.86                  | -74.96                  | -66.64                   | 1.77                       | 6.70                        | V                     |

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



| LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                        | 5064                 | -54.88          | -25              | -29.88                  | -64.10                  | -61.44                   | 2.41                       | 8.97                        | H                     |
|                                               | 7596                 | -45.79          | -25              | -20.79                  | -60.37                  | -54.79                   | 2.86                       | 11.86                       | H                     |
|                                               | 10134                | -52.41          | -25              | -27.41                  | -67.98                  | -61.31                   | 3.21                       | 12.11                       | H                     |
|                                               | 5064                 | -51.43          | -25              | -26.43                  | -60.14                  | -57.99                   | 2.41                       | 8.97                        | V                     |
|                                               | 7596                 | -50.28          | -25              | -25.28                  | -62.59                  | -59.28                   | 2.86                       | 11.86                       | V                     |
|                                               | 10134                | -50.31          | -25              | -25.31                  | -68.1                   | -59.21                   | 3.21                       | 12.11                       | V                     |

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

| LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 5061.18              | -56.43          | -25              | -31.43                  | -65.65                  | -62.99                   | 2.41                       | 8.97                        | H                     |
|                                                | 7590                 | -49.13          | -25              | -24.13                  | -61.32                  | -58.13                   | 2.86                       | 11.86                       | H                     |
|                                                | 10125                | -52.40          | -25              | -27.40                  | -67.97                  | -61.30                   | 3.21                       | 12.11                       | H                     |
|                                                | 5064                 | -52.51          | -25              | -27.51                  | -61.22                  | -59.07                   | 2.41                       | 8.97                        | V                     |
|                                                | 7590                 | -46.31          | -25              | -21.31                  | -60.83                  | -55.31                   | 2.86                       | 11.86                       | V                     |
|                                                | 10125                | -50.51          | -25              | -25.51                  | -68.3                   | -59.41                   | 3.21                       | 12.11                       | V                     |

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



| LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 5056.68              | -55.85          | -25              | -30.85                  | -65.07                  | -62.41                   | 2.41                       | 8.97                        | H                     |
|                                                | 7584                 | -43.13          | -25              | -18.13                  | -59.23                  | -52.13                   | 2.86                       | 11.86                       | H                     |
|                                                | 10116                | -51.37          | -25              | -26.37                  | -66.94                  | -60.27                   | 3.21                       | 12.11                       | H                     |
|                                                | 5058                 | -50.09          | -25              | -25.09                  | -59.21                  | -56.65                   | 2.41                       | 8.97                        | V                     |
|                                                | 7584                 | -52.00          | -25              | -27.00                  | -64.31                  | -61.00                   | 2.86                       | 11.86                       | V                     |
|                                                | 10116                | -50.27          | -25              | -25.27                  | -68.06                  | -59.17                   | 3.21                       | 12.11                       | V                     |

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

| LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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                                         | 5052.18              | -55.79          | -25              | -30.79                  | -65.01                  | -62.35                   | 2.41                       | 8.97                        | H                     |
|                                                | 7578                 | -43.44          | -25              | -18.44                  | -59.50                  | -52.44                   | 2.86                       | 11.86                       | H                     |
|                                                | 10107                | -52.96          | -25              | -27.96                  | -68.53                  | -61.86                   | 3.21                       | 12.11                       | H                     |
|                                                | 5052                 | -51.46          | -25              | -26.46                  | -60.17                  | -58.02                   | 2.41                       | 8.97                        | V                     |
|                                                | 7578                 | -50.54          | -25              | -25.54                  | -64                     | -59.54                   | 2.86                       | 11.86                       | V                     |
|                                                | 10107                | -51.21          | -25              | -26.21                  | -69                     | -60.11                   | 3.21                       | 12.11                       | V                     |

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