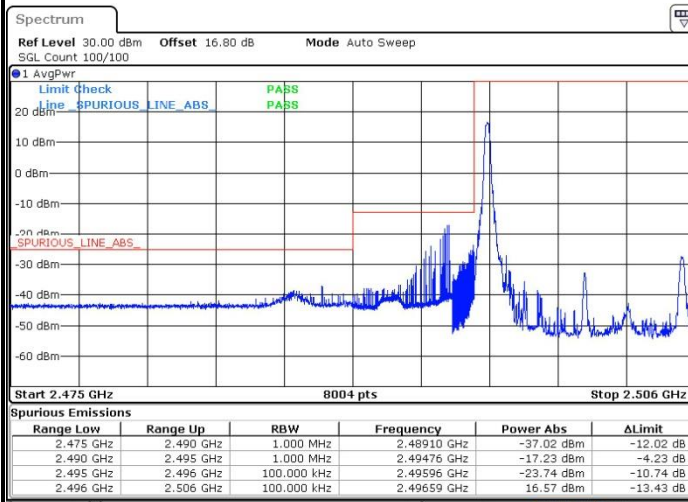


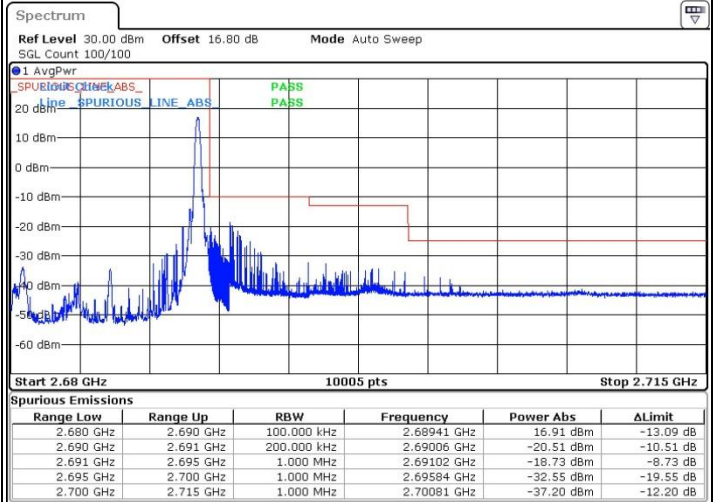


## LTE Band 41 / 10MHz / QPSK

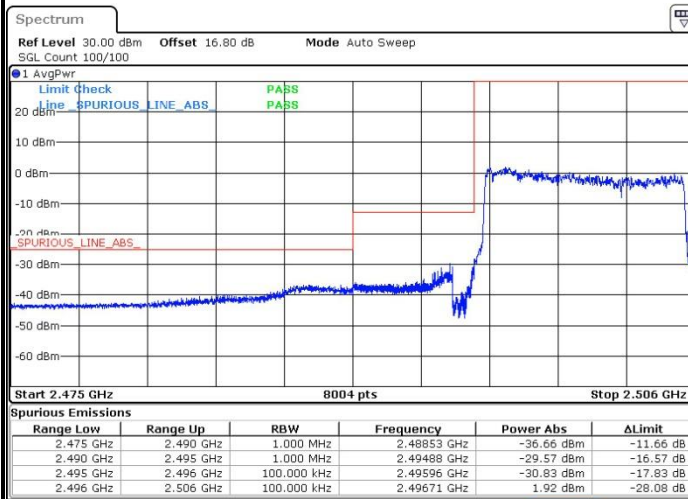
## Lowest Band Edge / 1 RB



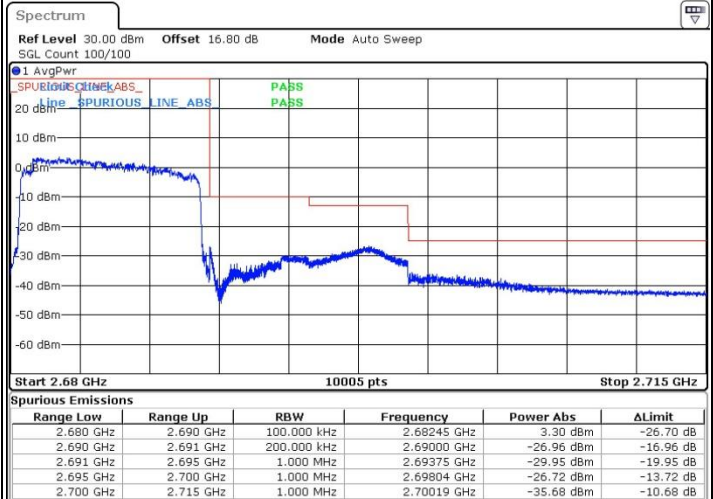
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



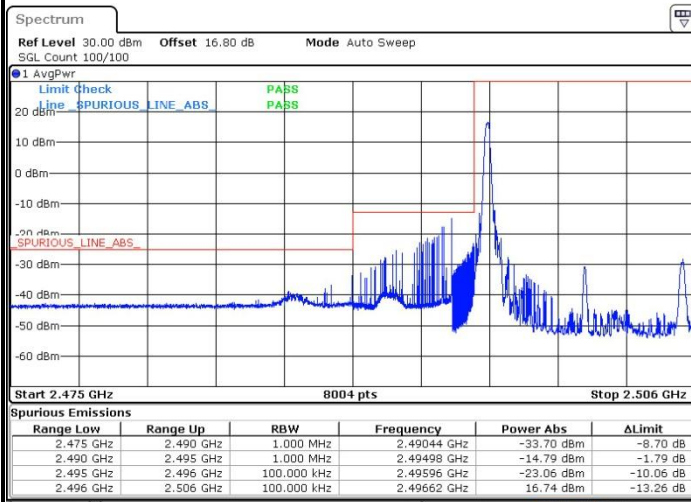
## Highest Band Edge / Full RB



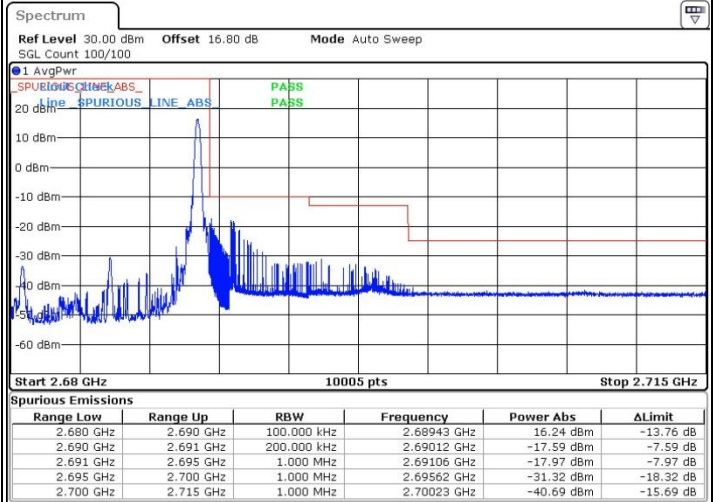


## LTE Band 41 / 10MHz / 16QAM

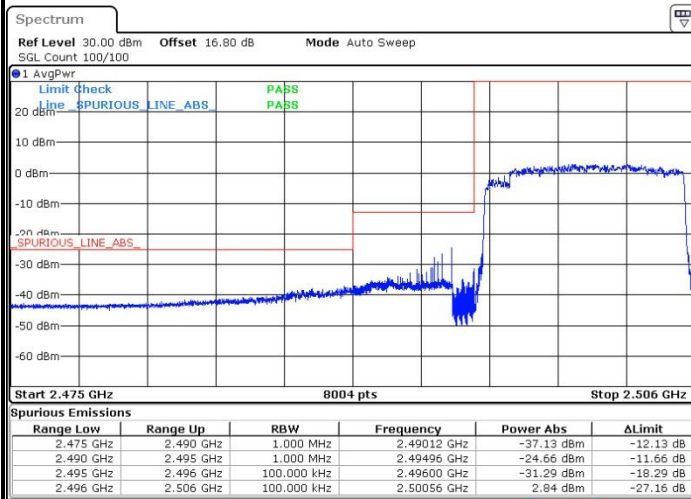
## Lowest Band Edge / 1 RB



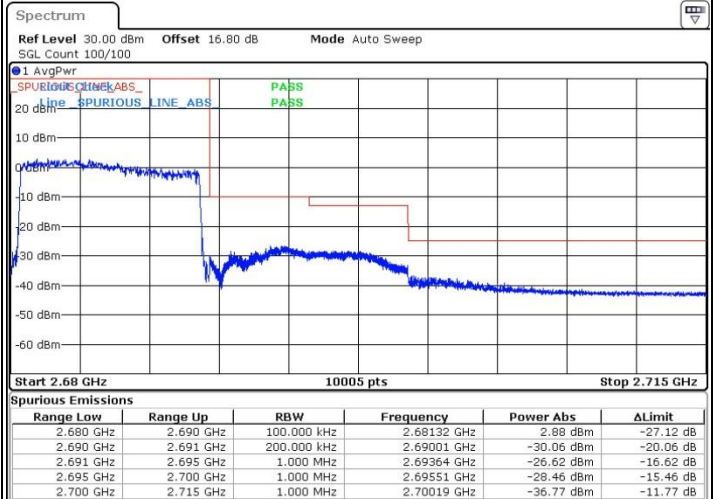
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



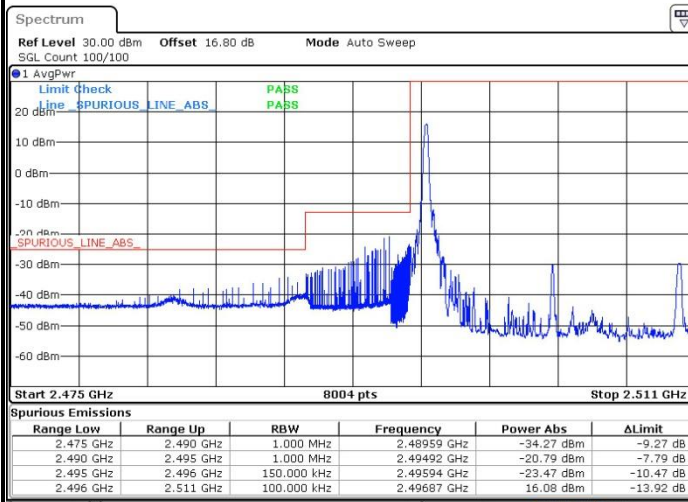
## Highest Band Edge / Full RB



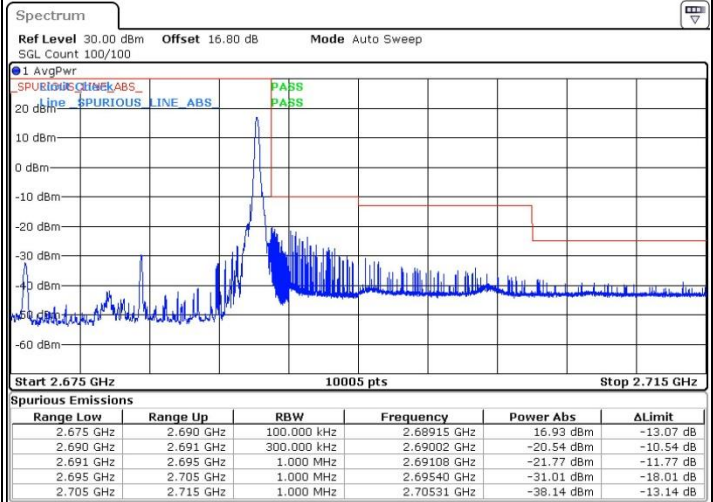


## LTE Band 41 / 15MHz / QPSK

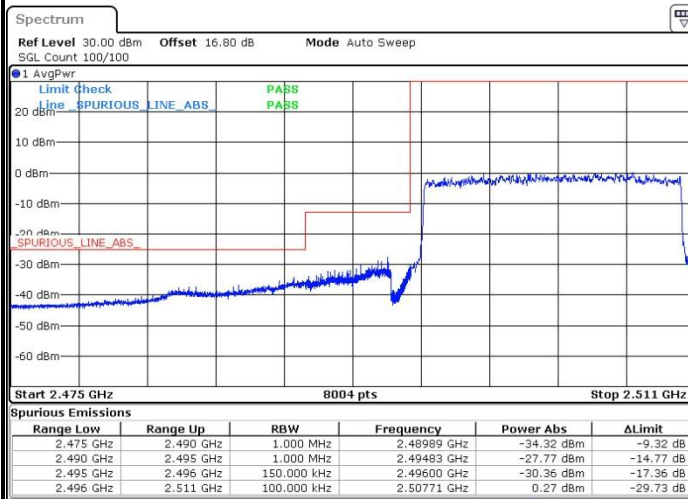
## Lowest Band Edge / 1 RB



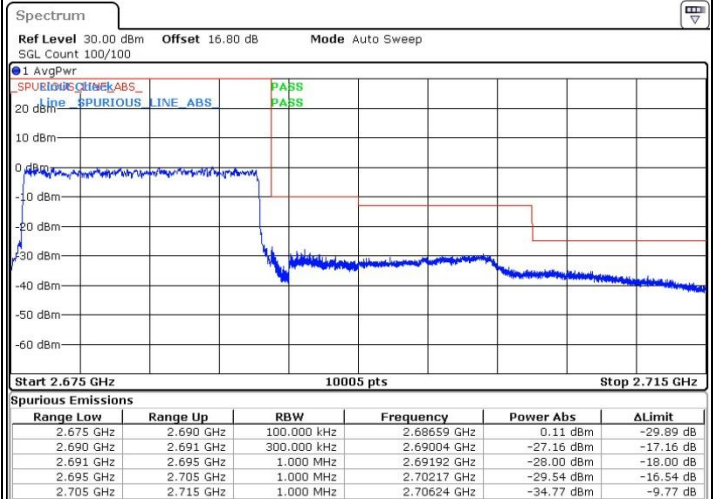
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



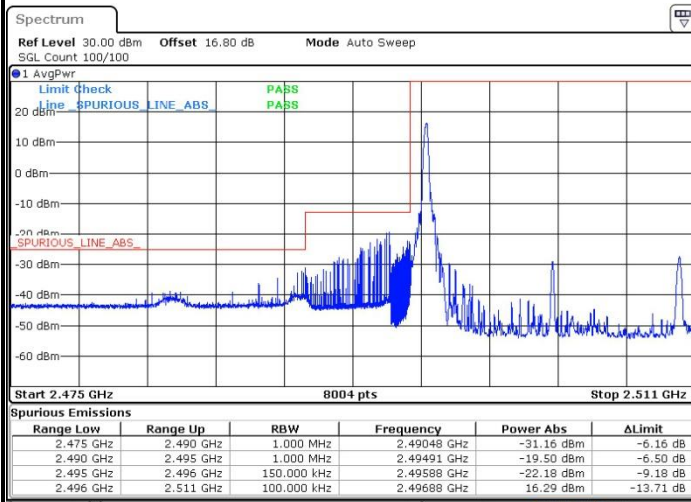
## Highest Band Edge / Full RB



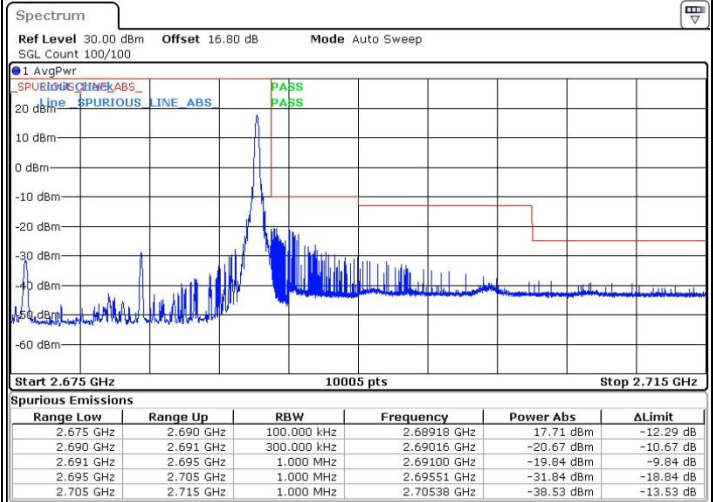


## LTE Band 41 / 15MHz / 16QAM

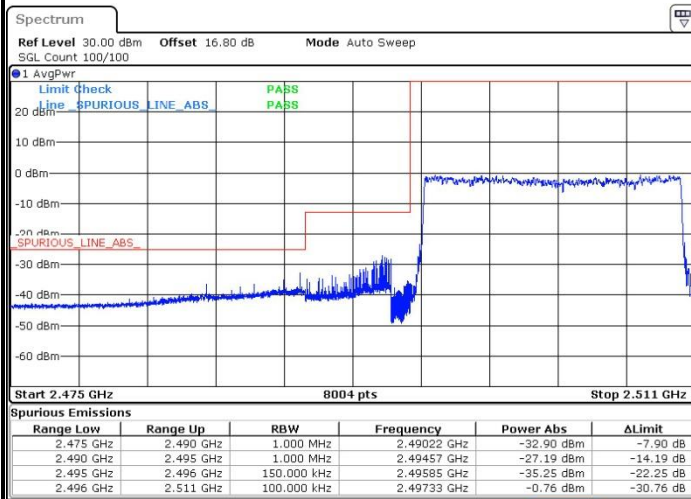
## Lowest Band Edge / 1 RB



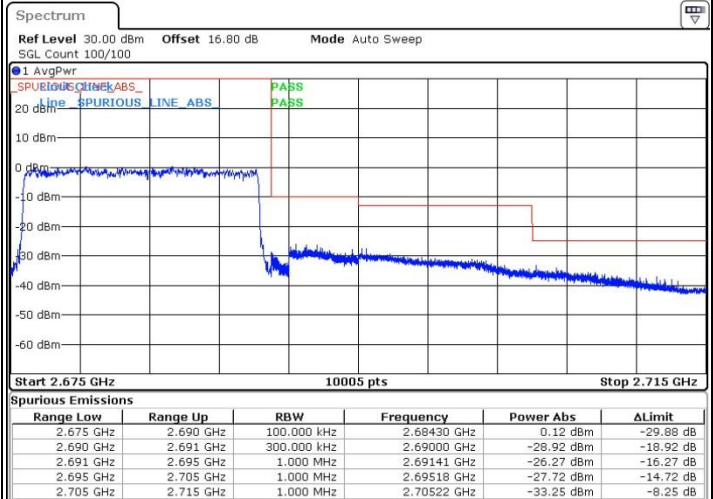
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

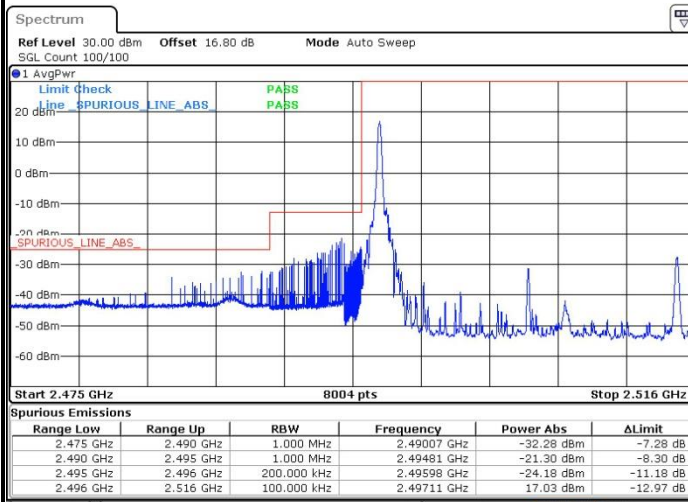




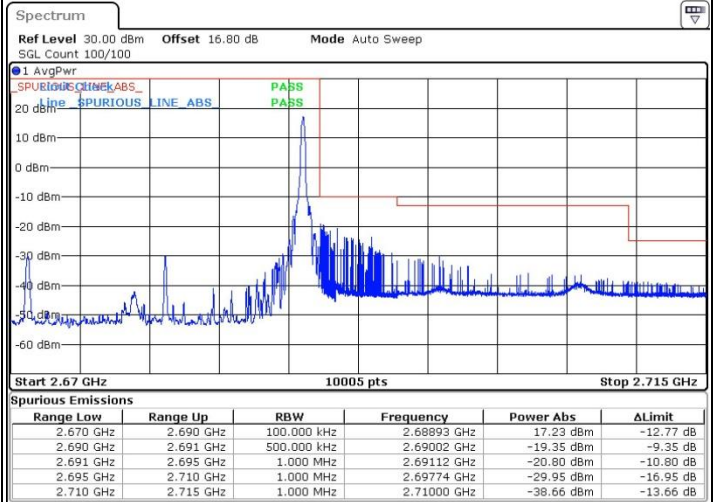


## LTE Band 41 / 20MHz / QPSK

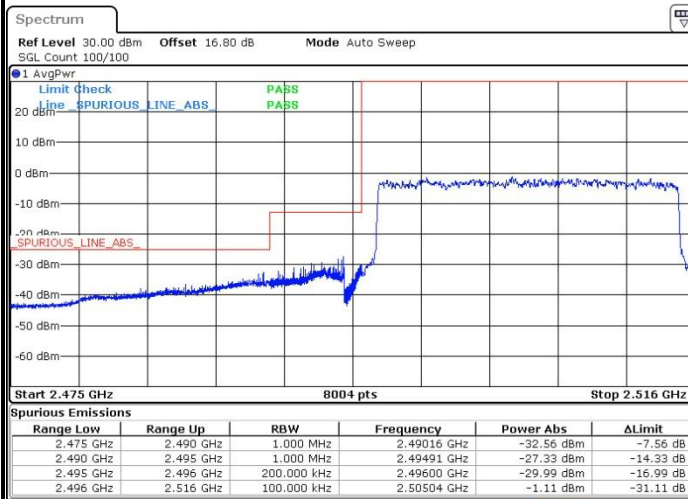
## Lowest Band Edge / 1 RB



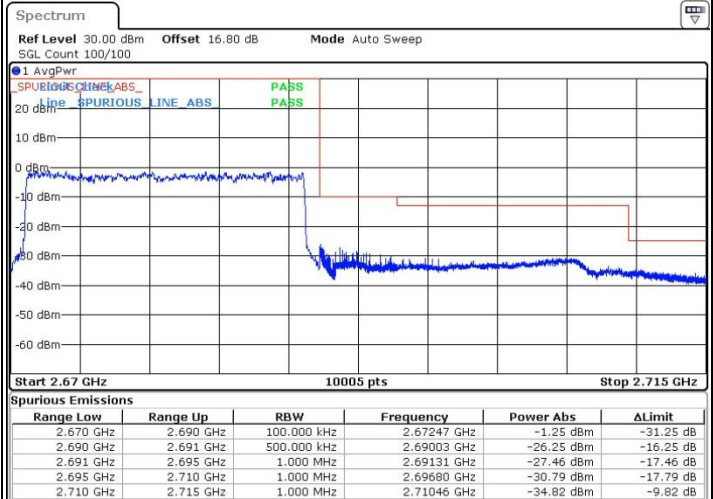
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



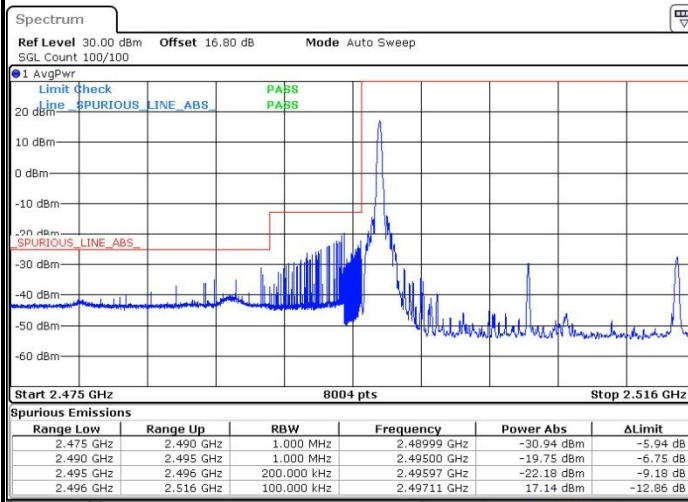
## Highest Band Edge / Full RB



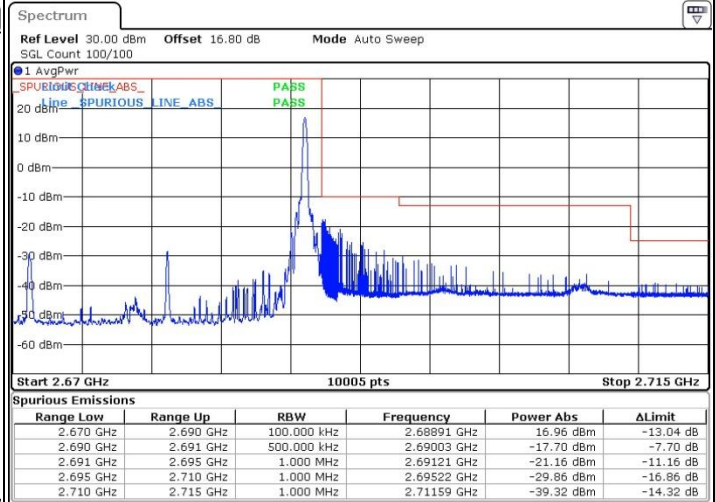


## LTE Band 41 / 20MHz / 16QAM

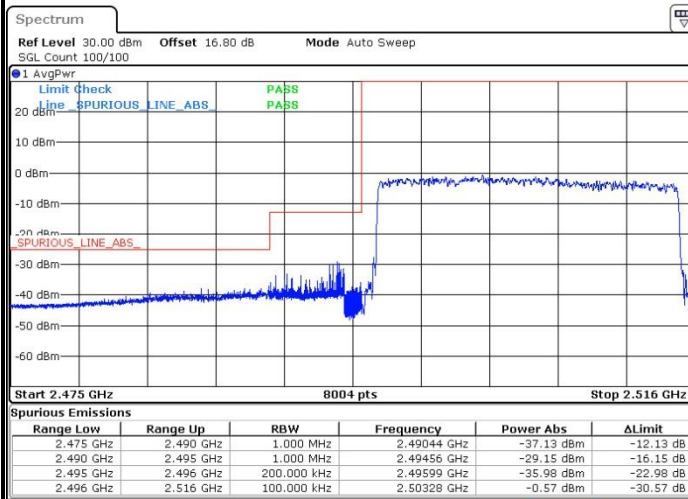
## Lowest Band Edge / 1 RB



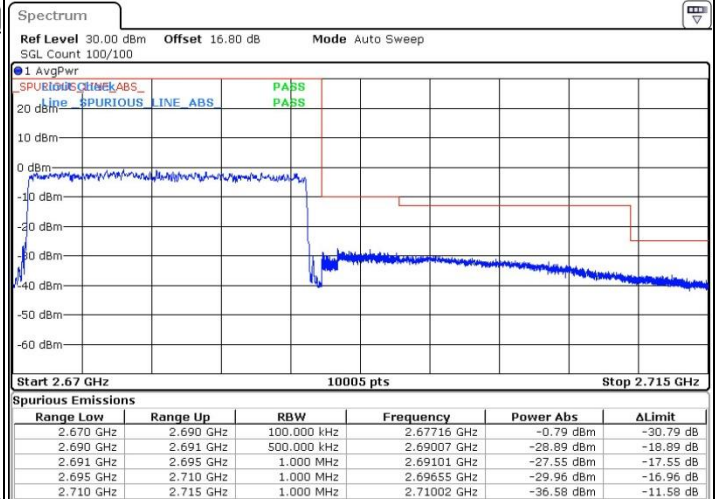
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



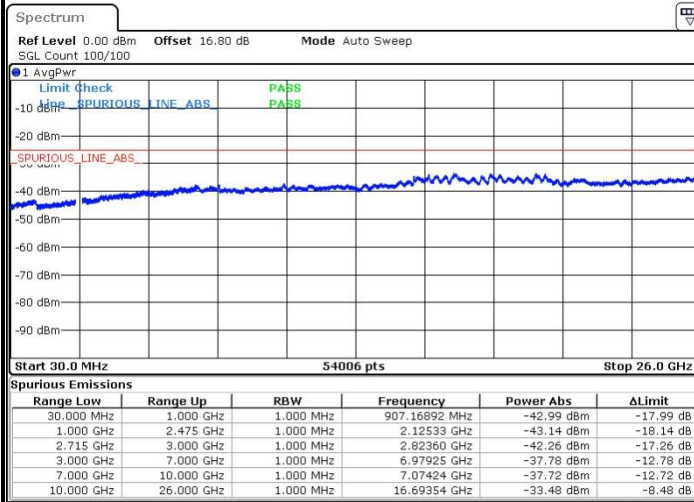


## **Conducted Spurious Emission**



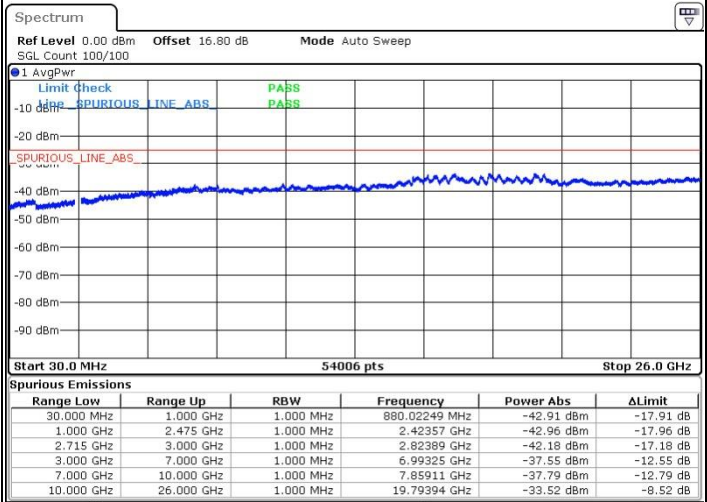
## LTE Band 41 / 5MHz

## Lowest Channel / QPSK



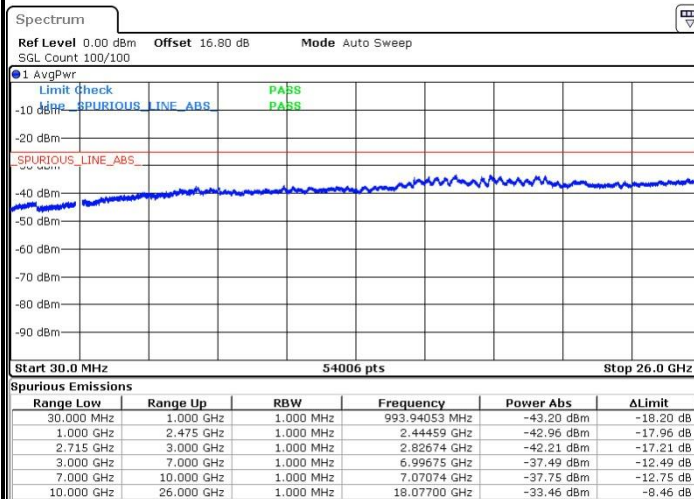
Date: 5.OCT.2015 13:54:42

## Lowest Channel / 16QAM



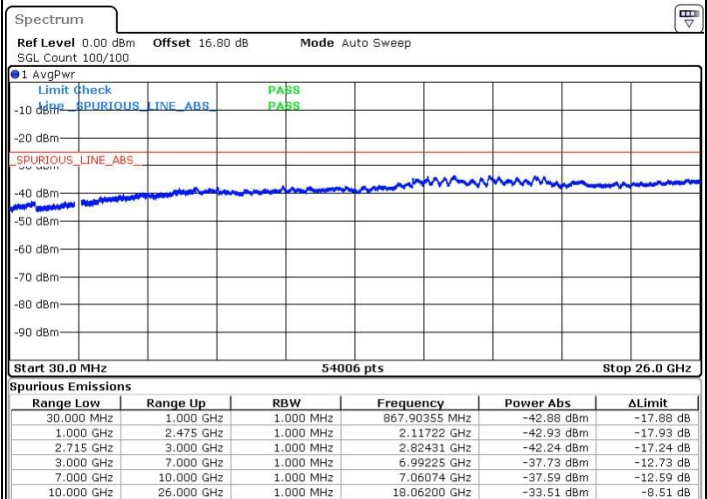
Date: 5.OCT.2015 13:55:37

## Middle Channel / QPSK



Date: 5.OCT.2015 13:56:32

## Middle Channel / 16QAM



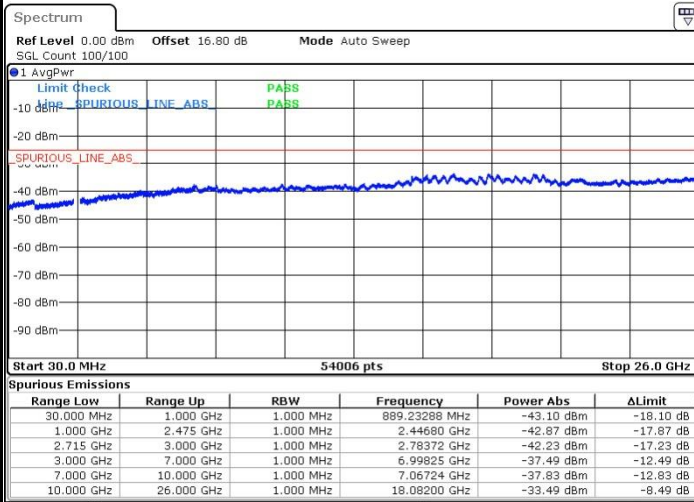
Date: 5.OCT.2015 13:57:26





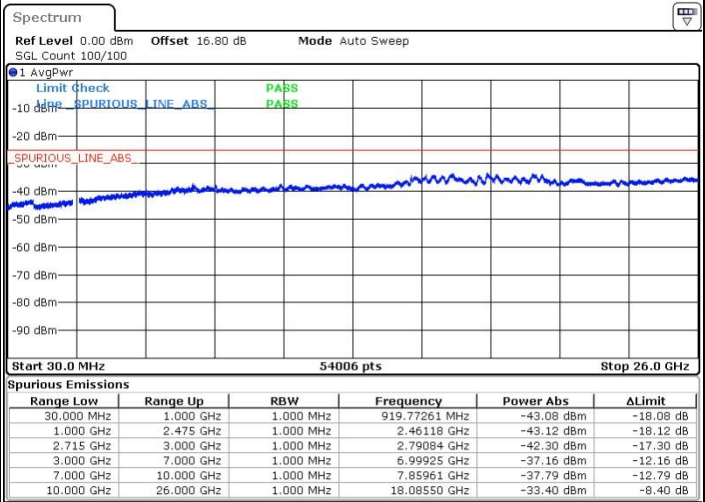
## LTE Band 41 / 5MHz

## Highest Channel / QPSK



Date: 5.OCT.2015 14:02:59

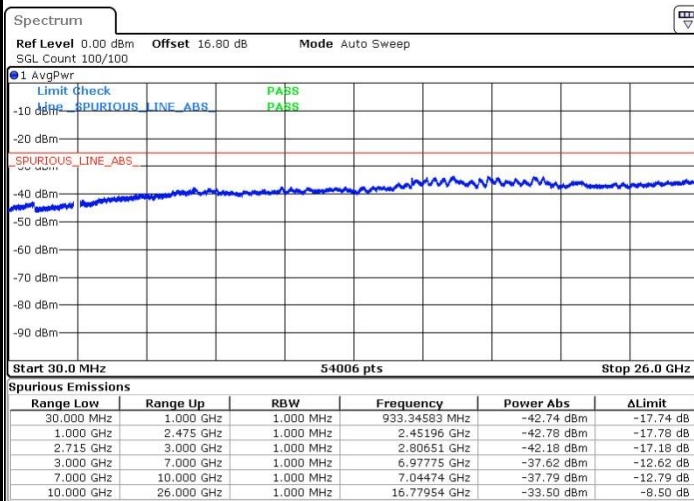
## Highest Channel / 16QAM



Date: 5.OCT.2015 14:03:54

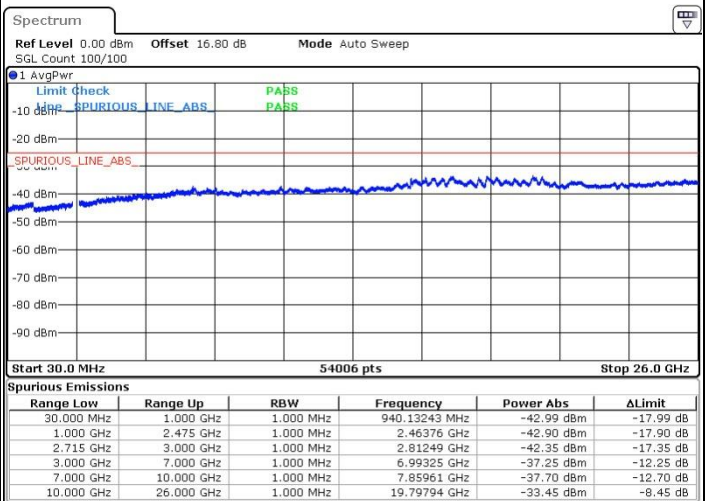
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



Date: 5.OCT.2015 14:09:28

## Lowest Channel / 16QAM

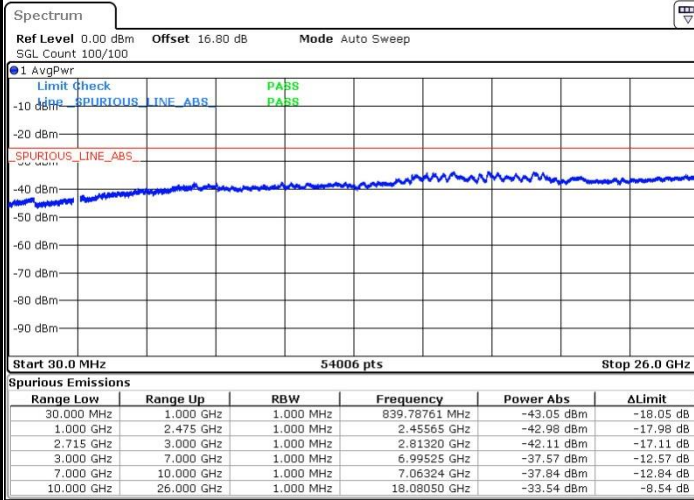


Date: 5.OCT.2015 14:10:23



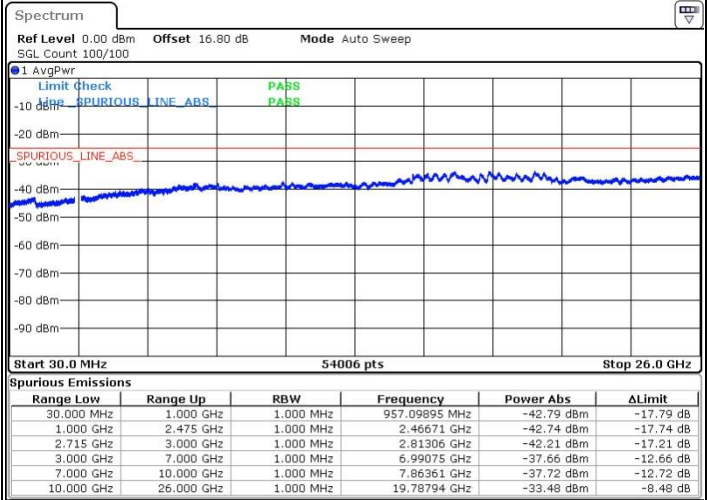
## LTE Band 41 / 10MHz

## Middle Channel / QPSK



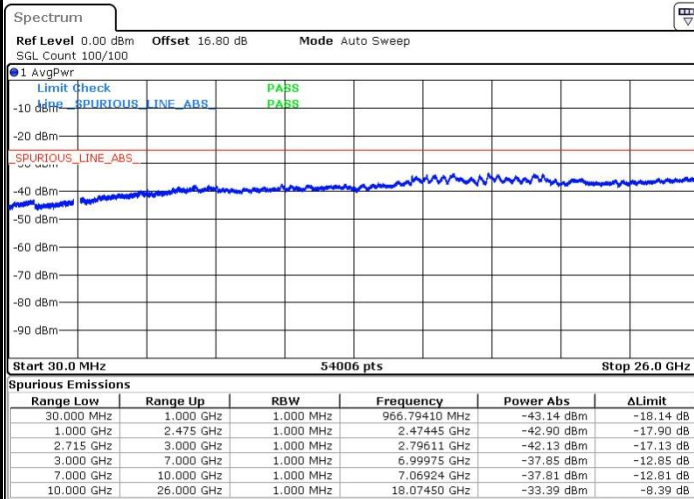
Date: 5.OCT.2015 14:11:18

## Middle Channel / 16QAM



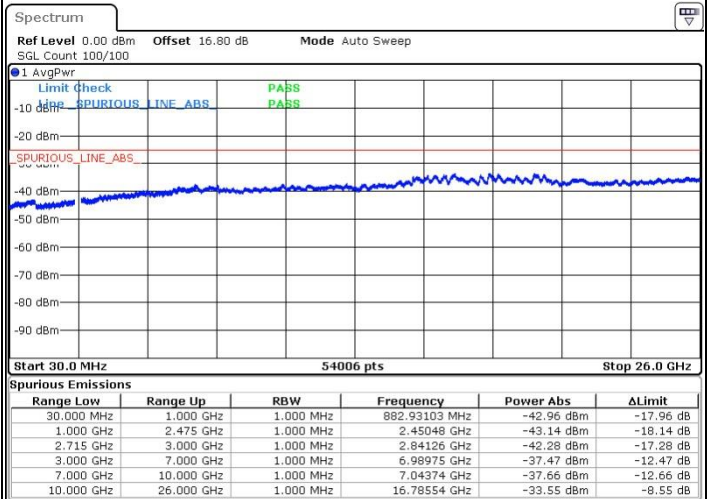
Date: 5.OCT.2015 14:12:12

## Highest Channel / QPSK



Date: 5.OCT.2015 14:17:45

## Highest Channel / 16QAM

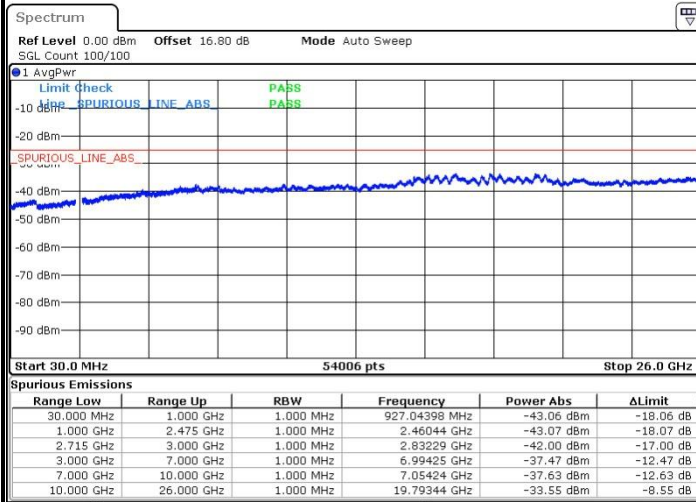


Date: 5.OCT.2015 14:18:40



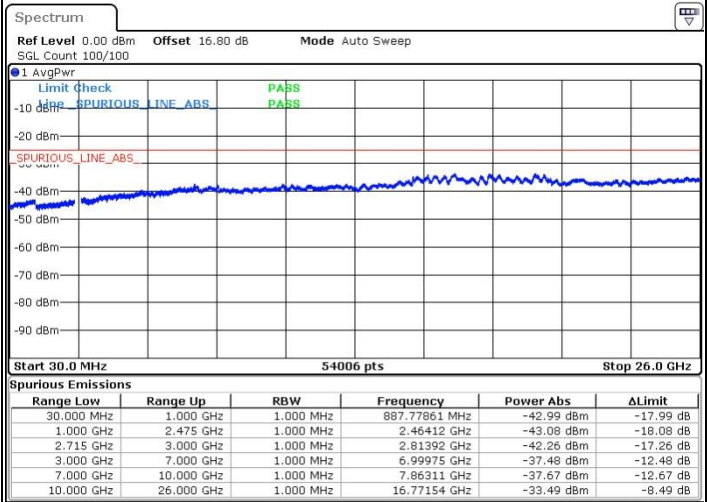
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



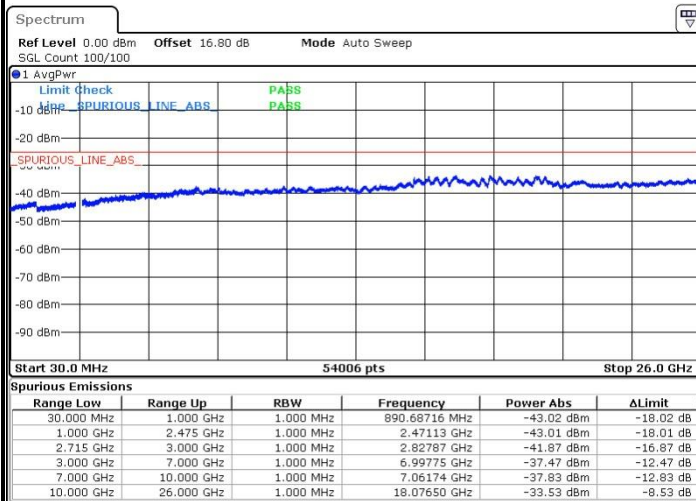
Date: 5.OCT.2015 14:24:15

## Lowest Channel / 16QAM



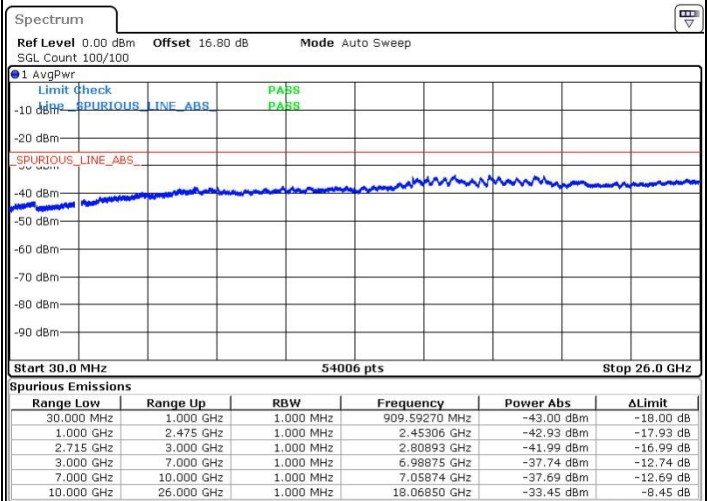
Date: 5.OCT.2015 14:25:09

## Middle Channel / QPSK



Date: 5.OCT.2015 14:26:04

## Middle Channel / 16QAM

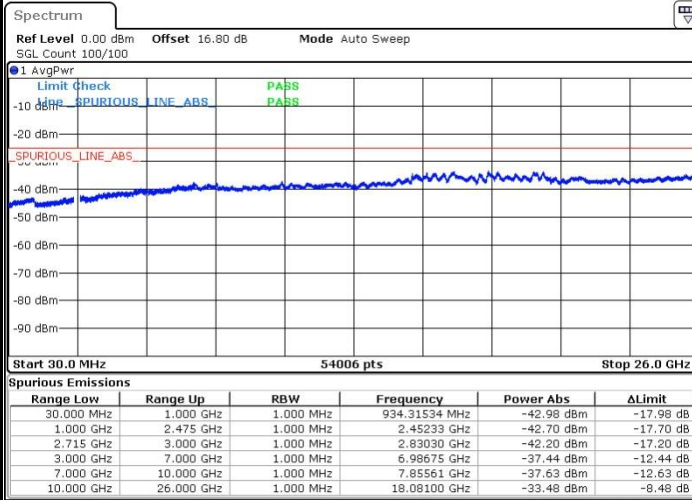


Date: 5.OCT.2015 14:26:59



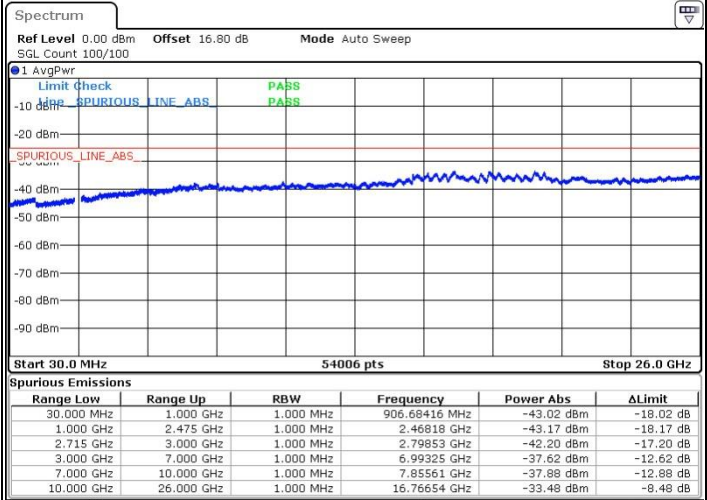
## LTE Band 41 / 15MHz

## Highest Channel / QPSK



Date: 5.OCT.2015 14:32:31

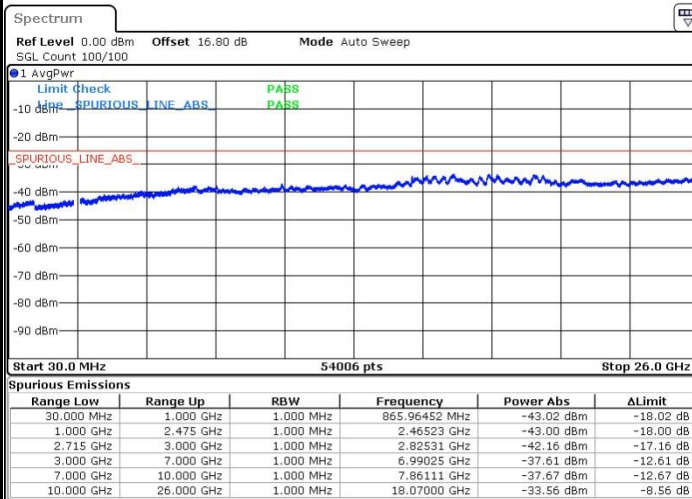
## Highest Channel / 16QAM



Date: 5.OCT.2015 14:33:26

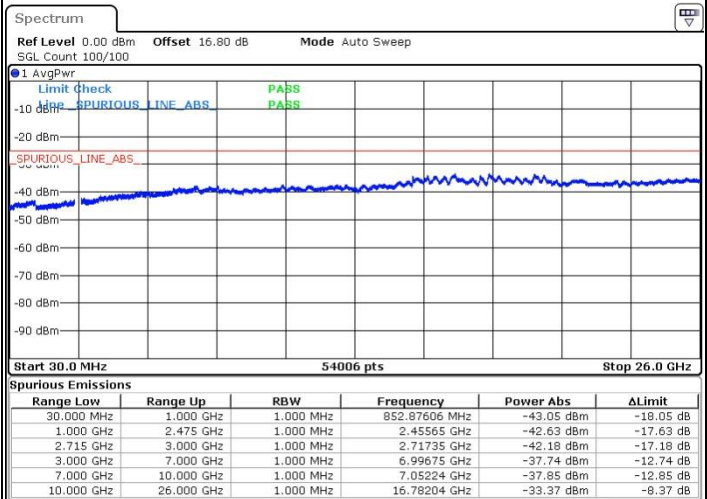
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



Date: 5.OCT.2015 14:39:01

## Lowest Channel / 16QAM

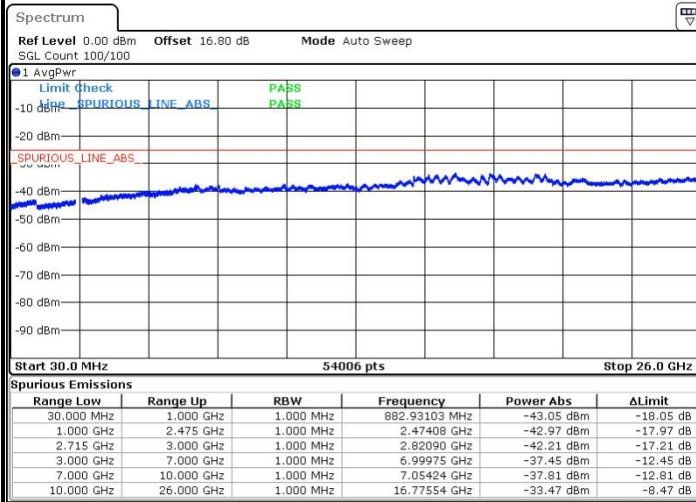


Date: 5.OCT.2015 14:39:55



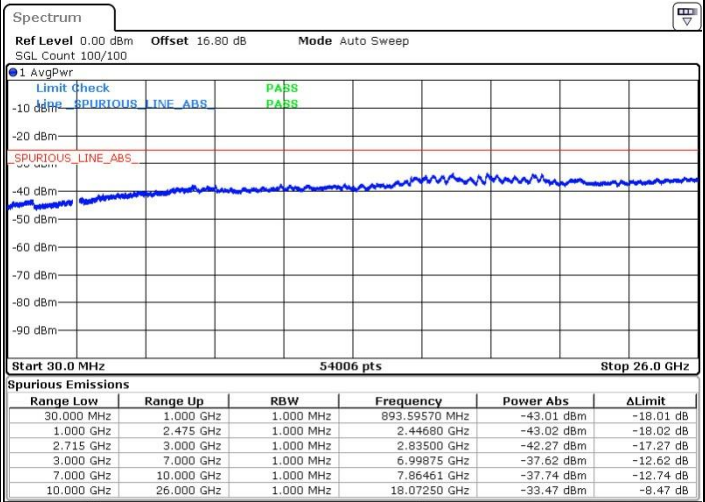
## LTE Band 41 / 20MHz

## Middle Channel / QPSK



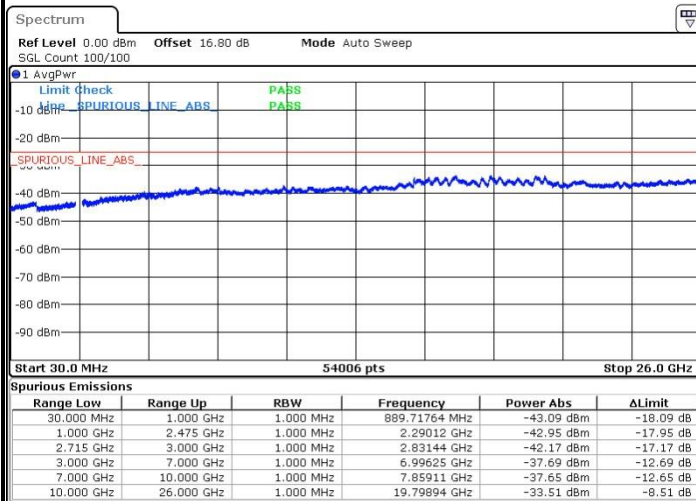
Date: 5.OCT.2015 14:40:50

## Middle Channel / 16QAM



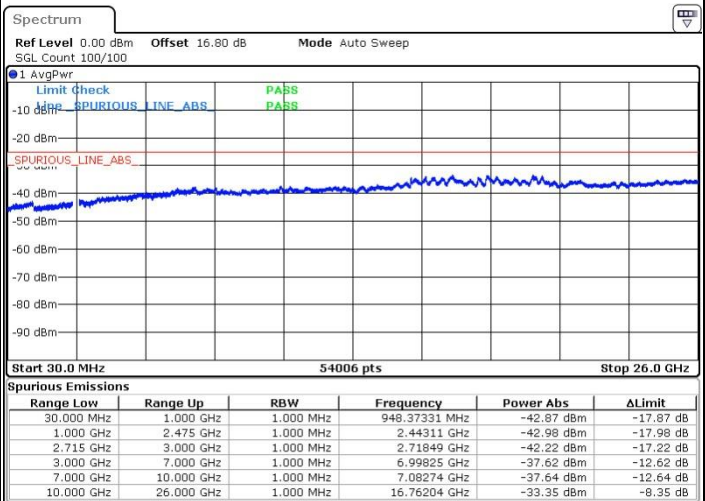
Date: 5.OCT.2015 14:41:45

## Highest Channel / QPSK



Date: 5.OCT.2015 14:47:17

## Highest Channel / 16QAM



Date: 5.OCT.2015 14:48:12



## Frequency Stability

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0017                              | PASS    |
| 40               | Normal Voltage    | 0.0010                              |         |
| 30               | Normal Voltage    | 0.0008                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0013                              |         |
| 0                | Normal Voltage    | 0.0024                              |         |
| -10              | Normal Voltage    | 0.0012                              |         |
| -20              | Normal Voltage    | 0.0034                              |         |
| -30              | Normal Voltage    | 0.0021                              |         |
| 20               | Maximum Voltage   | 0.0008                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0006                              |         |

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block.



## 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       | 1    | 0      | 20.49      | 0.1119  | 18.43     | 0.0696  |
| Middle                        |            | 1    | 0      | 20.58      | 0.1143  | 18.76     | 0.0751  |
| Highest                       |            | 1    | 0      | 20.14      | 0.1033  | 19.28     | 0.0847  |
| Lowest                        | 16QAM      | 1    | 0      | 20.65      | 0.1162  | 18.72     | 0.0745  |
| Middle                        |            | 1    | 0      | 20.72      | 0.1180  | 19.03     | 0.0800  |
| Highest                       |            | 1    | 0      | 20.38      | 0.1092  | 19.52     | 0.0896  |
| 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    | 0      | 20.35      | 0.1083  | 18.45     | 0.0700  |
| Middle                      |            | 1    | 0      | 20.39      | 0.1094  | 18.72     | 0.0745  |
| Highest                     |            | 1    | 0      | 19.87      | 0.0971  | 19.16     | 0.0824  |
| Lowest                      | 16QAM      | 1    | 0      | 20.43      | 0.1105  | 18.48     | 0.0704  |
| Middle                      |            | 1    | 0      | 20.57      | 0.1141  | 18.81     | 0.0760  |
| Highest                     |            | 1    | 0      | 20.14      | 0.1033  | 19.36     | 0.0862  |
| 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    | 0      | 20.52      | 0.1128  | 18.45     | 0.0699  |
| Middle                      |            | 1    | 0      | 20.64      | 0.1158  | 18.78     | 0.0756  |
| Highest                     |            | 1    | 0      | 20.02      | 0.1004  | 19.12     | 0.0817  |
| Lowest                      | 16QAM      | 1    | 0      | 20.64      | 0.1160  | 18.62     | 0.0728  |
| Middle                      |            | 1    | 0      | 20.75      | 0.1189  | 18.97     | 0.0789  |
| Highest                     |            | 1    | 0      | 20.10      | 0.1022  | 19.25     | 0.0841  |
| 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      | 20.34      | 0.1080  | 18.52     | 0.0711  |
| Middle                       |            | 1    | 0      | 20.56      | 0.1137  | 18.88     | 0.0773  |
| Highest                      |            | 1    | 0      | 20.39      | 0.1094  | 19.20     | 0.0831  |
| Lowest                       | 16QAM      | 1    | 0      | 20.65      | 0.1162  | 18.89     | 0.0775  |
| Middle                       |            | 1    | 0      | 20.80      | 0.1201  | 19.13     | 0.0818  |
| Highest                      |            | 1    | 0      | 20.51      | 0.1126  | 19.35     | 0.0860  |
| 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      | 20.76      | 0.1192  | 18.98     | 0.0790  |
| Middle                       |            | 1    | 0      | 20.40      | 0.1096  | 18.97     | 0.0789  |
| Highest                      |            | 1    | 0      | 20.37      | 0.1088  | 19.03     | 0.0799  |
| Lowest                       | 16QAM      | 1    | 0      | 20.93      | 0.1238  | 19.12     | 0.0816  |
| Middle                       |            | 1    | 0      | 20.55      | 0.1136  | 19.04     | 0.0802  |
| Highest                      |            | 1    | 0      | 20.39      | 0.1094  | 19.21     | 0.0835  |
| 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    | 0      | 20.85      | 0.1215  | 18.99     | 0.0792  |
| Middle                       |            | 1    | 0      | 20.55      | 0.1135  | 18.98     | 0.0791  |
| Highest                      |            | 1    | 0      | 20.38      | 0.1092  | 18.90     | 0.0776  |
| Lowest                       | 16QAM      | 1    | 0      | 20.91      | 0.1234  | 19.21     | 0.0834  |
| Middle                       |            | 1    | 0      | 20.78      | 0.1196  | 19.24     | 0.0839  |
| Highest                      |            | 1    | 0      | 20.61      | 0.1150  | 19.10     | 0.0812  |
| 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    | 0      | 19.33      | 0.0857  | 18.03     | 0.0635  |
| Middle                        |            | 1    | 0      | 18.78      | 0.0755  | 17.00     | 0.0501  |
| Highest                       |            | 1    | 0      | 19.10      | 0.0814  | 16.67     | 0.0465  |
| Lowest                        | 16QAM      | 1    | 0      | 19.57      | 0.0907  | 17.90     | 0.0617  |
| Middle                        |            | 1    | 0      | 18.88      | 0.0772  | 17.22     | 0.0527  |
| Highest                       |            | 1    | 0      | 19.18      | 0.0828  | 16.76     | 0.0474  |
| 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      | 19.42      | 0.0876  | 17.61     | 0.0577  |
| Middle                      |            | 1    | 0      | 18.76      | 0.0752  | 16.85     | 0.0484  |
| Highest                     |            | 1    | 0      | 19.10      | 0.0812  | 16.45     | 0.0442  |
| Lowest                      | 16QAM      | 1    | 0      | 19.64      | 0.0920  | 17.92     | 0.0619  |
| Middle                      |            | 1    | 0      | 18.92      | 0.0780  | 17.05     | 0.0507  |
| Highest                     |            | 1    | 0      | 19.23      | 0.0837  | 16.60     | 0.0457  |
| 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      | 19.47      | 0.0885  | 17.74     | 0.0594  |
| Middle                      |            | 1    | 0      | 18.84      | 0.0765  | 17.00     | 0.0501  |
| Highest                     |            | 1    | 0      | 18.85      | 0.0768  | 16.72     | 0.0470  |
| Lowest                      | 16QAM      | 1    | 0      | 19.73      | 0.0941  | 17.91     | 0.0618  |
| Middle                      |            | 1    | 0      | 18.83      | 0.0763  | 16.98     | 0.0499  |
| Highest                     |            | 1    | 0      | 19.08      | 0.0809  | 16.94     | 0.0494  |
| 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      | 19.12      | 0.0817  | 17.89     | 0.0615  |
| Middle                      |            | 1    | 0      | 18.68      | 0.0738  | 17.03     | 0.0504  |
| Highest                     |            | 1    | 0      | 18.54      | 0.0715  | 17.26     | 0.0532  |
| Lowest                      | 16QAM      | 1    | 0      | 19.46      | 0.0884  | 18.21     | 0.0662  |
| Middle                      |            | 1    | 0      | 18.68      | 0.0738  | 17.03     | 0.0504  |
| Highest                     |            | 1    | 0      | 18.80      | 0.0759  | 17.55     | 0.0569  |
| 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      | 19.15      | 0.0822  | 18.33     | 0.0682  |
| Middle                       |            | 1    | 0      | 18.85      | 0.0768  | 17.49     | 0.0561  |
| Highest                      |            | 1    | 0      | 18.58      | 0.0721  | 16.64     | 0.0461  |
| Lowest                       | 16QAM      | 1    | 0      | 19.39      | 0.0869  | 18.57     | 0.0719  |
| Middle                       |            | 1    | 0      | 18.96      | 0.0788  | 17.60     | 0.0576  |
| Highest                      |            | 1    | 0      | 18.94      | 0.0784  | 16.90     | 0.0490  |
| 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    | 0      | 19.43      | 0.0876  | 18.45     | 0.0700  |
| Middle                       |            | 1    | 0      | 18.76      | 0.0752  | 17.44     | 0.0554  |
| Highest                      |            | 1    | 0      | 18.75      | 0.0750  | 16.99     | 0.0500  |
| Lowest                       | 16QAM      | 1    | 0      | 19.71      | 0.0934  | 18.74     | 0.0747  |
| Middle                       |            | 1    | 0      | 18.95      | 0.0786  | 17.67     | 0.0584  |
| Highest                      |            | 1    | 0      | 19.00      | 0.0794  | 17.20     | 0.0525  |
| 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    | 0      | 8.63       | 0.0073 | 18.96    | 0.0787 |
| Middle                        |            | 1    | 0      | 9.21       | 0.0083 | 18.57    | 0.0719 |
| Highest                       |            | 1    | 0      | 10.18      | 0.0104 | 18.19    | 0.0659 |
| Lowest                        | 16QAM      | 1    | 5      | 8.48       | 0.0070 | 18.90    | 0.0775 |
| Middle                        |            | 1    | 5      | 9.31       | 0.0085 | 18.56    | 0.0718 |
| Highest                       |            | 1    | 5      | 10.27      | 0.0106 | 18.17    | 0.0656 |
| 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    | 0      | 8.40       | 0.0069 | 18.81    | 0.0760 |
| Middle                      |            | 1    | 0      | 9.17       | 0.0083 | 18.54    | 0.0714 |
| Highest                     |            | 1    | 0      | 9.93       | 0.0098 | 18.34    | 0.0683 |
| Lowest                      | 16QAM      | 1    | 8      | 7.80       | 0.0060 | 17.96    | 0.0626 |
| Middle                      |            | 1    | 8      | 8.52       | 0.0071 | 17.80    | 0.0602 |
| Highest                     |            | 1    | 8      | 9.19       | 0.0083 | 17.17    | 0.0521 |
| 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    | 24     | 8.82       | 0.0076 | 18.84    | 0.0766 |
| Middle                      |            | 1    | 24     | 9.33       | 0.0086 | 18.42    | 0.0695 |
| Highest                     |            | 1    | 24     | 10.21      | 0.0105 | 18.08    | 0.0643 |
| Lowest                      | 16QAM      | 1    | 12     | 7.88       | 0.0061 | 18.04    | 0.0636 |
| Middle                      |            | 1    | 12     | 8.56       | 0.0072 | 17.84    | 0.0609 |
| Highest                     |            | 1    | 12     | 9.49       | 0.0089 | 17.71    | 0.0590 |
| 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    | 0      | 8.49       | 0.0071 | 19.01    | 0.0797 |
| Middle                       |            | 1    | 0      | 9.10       | 0.0081 | 18.88    | 0.0773 |
| Highest                      |            | 1    | 0      | 9.57       | 0.0091 | 18.48    | 0.0704 |
| Lowest                       | 16QAM      | 1    | 0      | 7.68       | 0.0059 | 18.15    | 0.0652 |
| Middle                       |            | 1    | 0      | 8.27       | 0.0067 | 18.11    | 0.0648 |
| Highest                      |            | 1    | 0      | 8.78       | 0.0075 | 17.77    | 0.0598 |
| 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       | 12   | 7      | 13.42      | 0.0220  | 19.73     | 0.0939  |
| Middle                      |            | 12   | 7      | 13.69      | 0.0234  | 19.73     | 0.0940  |
| Highest                     |            | 12   | 7      | 14.16      | 0.0261  | 19.44     | 0.0880  |
| Lowest                      | 16QAM      | 1    | 12     | 13.84      | 0.0242  | 20.05     | 0.1011  |
| Middle                      |            | 1    | 12     | 14.41      | 0.0276  | 20.17     | 0.1041  |
| Highest                     |            | 1    | 12     | 14.34      | 0.0271  | 20.45     | 0.1110  |
| 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       | 50   | 0      | 13.02      | 0.0201  | 19.10     | 0.0813  |
| Middle                       |            | 50   | 0      | 12.94      | 0.0197  | 19.06     | 0.0806  |
| Highest                      |            | 50   | 0      | 13.45      | 0.0221  | 18.89     | 0.0774  |
| Lowest                       | 16QAM      | 1    | 49     | 14.54      | 0.0285  | 20.53     | 0.1130  |
| Middle                       |            | 1    | 49     | 14.11      | 0.0258  | 19.93     | 0.0983  |
| Highest                      |            | 1    | 49     | 14.86      | 0.0306  | 19.94     | 0.0986  |
| 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       | 36   | 20     | 12.81      | 0.0191  | 19.04     | 0.0802  |
| Middle                       |            | 36   | 20     | 13.29      | 0.0213  | 19.41     | 0.0872  |
| Highest                      |            | 36   | 20     | 13.85      | 0.0243  | 18.94     | 0.0783  |
| Lowest                       | 16QAM      | 1    | 74     | 14.40      | 0.0275  | 20.00     | 0.1001  |
| Middle                       |            | 1    | 74     | 14.20      | 0.0263  | 20.08     | 0.1018  |
| Highest                      |            | 1    | 74     | 14.81      | 0.0303  | 19.53     | 0.0898  |
| 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    | 0      | 13.27      | 0.0212  | 19.59     | 0.0911  |
| Middle                       |            | 1    | 0      | 13.65      | 0.0232  | 19.77     | 0.0949  |
| Highest                      |            | 1    | 0      | 14.04      | 0.0254  | 19.76     | 0.0947  |
| Lowest                       | 16QAM      | 1    | 99     | 14.75      | 0.0299  | 20.28     | 0.1065  |
| Middle                       |            | 1    | 99     | 14.29      | 0.0269  | 20.24     | 0.1056  |
| Highest                      |            | 1    | 99     | 14.50      | 0.0282  | 19.68     | 0.0929  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |





| LTE Band 12 / 1.4MHz (Average) |            |      |        |            |        |          |        |
|--------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                        | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                                |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                         | QPSK       | 1    | 0      | 1.03       | 0.0013 | 17.88    | 0.0613 |
| Middle                         |            | 1    | 0      | 1.44       | 0.0014 | 18.20    | 0.0660 |
| Highest                        |            | 1    | 0      | 1.92       | 0.0016 | 18.14    | 0.0652 |
| Lowest                         | 16QAM      | 1    | 5      | -0.15      | 0.0010 | 16.64    | 0.0461 |
| Middle                         |            | 1    | 5      | 0.08       | 0.0010 | 16.74    | 0.0473 |
| Highest                        |            | 1    | 5      | 1.31       | 0.0014 | 17.35    | 0.0544 |
| Limit                          | ERP < 3W   |      |        | Result     |        | PASS     |        |

| LTE Band 12 / 3MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 8      | 0.93       | 0.0012 | 17.77    | 0.0599 |
| Middle                       |            | 1    | 8      | 0.96       | 0.0012 | 17.61    | 0.0577 |
| Highest                      |            | 1    | 8      | 1.34       | 0.0014 | 17.82    | 0.0605 |
| Lowest                       | 16QAM      | 1    | 8      | -0.09      | 0.0010 | 16.60    | 0.0457 |
| Middle                       |            | 1    | 8      | 0.10       | 0.0010 | 16.78    | 0.0477 |
| Highest                      |            | 1    | 8      | 0.48       | 0.0011 | 16.90    | 0.0490 |
| Limit                        | ERP < 3W   |      |        | Result     |        | PASS     |        |



| LTE Band 12 / 5MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 24     | 1.58       | 0.0014 | 17.90    | 0.0617 |
| Middle                       |            | 1    | 24     | 1.15       | 0.0013 | 17.64    | 0.0581 |
| Highest                      |            | 1    | 24     | 1.78       | 0.0015 | 17.99    | 0.0629 |
| Lowest                       | 16QAM      | 1    | 12     | 0.55       | 0.0011 | 17.30    | 0.0536 |
| Middle                       |            | 1    | 12     | 0.29       | 0.0011 | 16.85    | 0.0484 |
| Highest                      |            | 1    | 12     | 0.81       | 0.0012 | 17.51    | 0.0563 |
| Limit                        | ERP < 3W   |      |        | Result     |        | PASS     |        |

| LTE Band 12 / 10MHz (Average) |            |      |        |            |        |          |        |
|-------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                       | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                               |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                        | QPSK       | 1    | 0      | 0.23       | 0.0011 | 17.45    | 0.0556 |
| Middle                        |            | 1    | 0      | 0.61       | 0.0012 | 17.51    | 0.0564 |
| Highest                       |            | 1    | 0      | 1.41       | 0.0014 | 17.92    | 0.0619 |
| Lowest                        | 16QAM      | 1    | 49     | 0.37       | 0.0011 | 17.25    | 0.0530 |
| Middle                        |            | 1    | 49     | 0.61       | 0.0011 | 16.74    | 0.0473 |
| Highest                       |            | 1    | 49     | 1.19       | 0.0013 | 17.13    | 0.0516 |
| Limit                         | ERP < 3W   |      |        | Result     |        | PASS     |        |



| LTE Band 17 / 5MHz (Average) |            |      |        |            |        |          |        |
|------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                      | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                              |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                       | QPSK       | 1    | 24     | 0.79       | 0.0012 | 17.44    | 0.0554 |
| Middle                       |            | 1    | 24     | 1.43       | 0.0014 | 17.69    | 0.0587 |
| Highest                      |            | 1    | 24     | 1.69       | 0.0015 | 17.96    | 0.0625 |
| Lowest                       | 16QAM      | 1    | 12     | 0.06       | 0.0010 | 16.88    | 0.0487 |
| Middle                       |            | 1    | 12     | 0.40       | 0.0011 | 17.05    | 0.0507 |
| Highest                      |            | 1    | 12     | 0.57       | 0.0011 | 17.28    | 0.0535 |
| Limit                        | ERP < 3W   |      |        | Result     |        | PASS     |        |

| LTE Band 17 / 10MHz (Average) |            |      |        |            |        |          |        |
|-------------------------------|------------|------|--------|------------|--------|----------|--------|
| Channel                       | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                               |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest                        | QPSK       | 1    | 0      | 1.32       | 0.0014 | 17.99    | 0.0630 |
| Middle                        |            | 1    | 0      | 1.51       | 0.0014 | 17.99    | 0.0629 |
| Highest                       |            | 1    | 0      | 1.49       | 0.0014 | 17.89    | 0.0615 |
| Lowest                        | 16QAM      | 1    | 0      | 0.53       | 0.0011 | 17.19    | 0.0523 |
| Middle                        |            | 1    | 0      | 0.87       | 0.0012 | 17.26    | 0.0532 |
| Highest                       |            | 1    | 0      | 0.83       | 0.0012 | 17.20    | 0.0525 |
| Limit                         | ERP < 3W   |      |        | Result     |        | PASS     |        |



| LTE Band 41 / 5MHz (Average) |            |      |        |            |         |           |         |
|------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                      | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                              |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                       | QPSK       | 12   | 0      | 12.40      | 0.0174  | 18.74     | 0.0747  |
| Middle                       |            | 12   | 0      | 14.03      | 0.0253  | 18.10     | 0.0645  |
| Highest                      |            | 12   | 0      | 13.92      | 0.0246  | 17.06     | 0.0508  |
| Lowest                       | 16QAM      | 12   | 7      | 12.72      | 0.0187  | 19.14     | 0.0821  |
| Middle                       |            | 12   | 7      | 14.16      | 0.0261  | 18.15     | 0.0654  |
| Highest                      |            | 12   | 7      | 14.00      | 0.0251  | 17.20     | 0.0525  |
| Limit                        | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 41 / 10MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 1    | 25     | 12.39      | 0.0173  | 18.93     | 0.0781  |
| Middle                        |            | 1    | 25     | 13.99      | 0.0251  | 17.94     | 0.0623  |
| Highest                       |            | 1    | 25     | 14.16      | 0.0260  | 17.24     | 0.0529  |
| Lowest                        | 16QAM      | 1    | 49     | 13.23      | 0.0210  | 19.50     | 0.0891  |
| Middle                        |            | 1    | 49     | 14.73      | 0.0297  | 18.70     | 0.0741  |
| Highest                       |            | 1    | 49     | 14.07      | 0.0255  | 17.19     | 0.0524  |
| Limit                         | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 41 / 15MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 1    | 37     | 12.70      | 0.0186  | 18.33     | 0.0681  |
| Middle                        |            | 1    | 37     | 13.70      | 0.0235  | 17.73     | 0.0593  |
| Highest                       |            | 1    | 37     | 14.10      | 0.0257  | 17.01     | 0.0502  |
| Lowest                        | 16QAM      | 1    | 74     | 13.32      | 0.0215  | 19.27     | 0.0846  |
| Middle                        |            | 1    | 74     | 14.63      | 0.0291  | 18.57     | 0.0719  |
| Highest                       |            | 1    | 74     | 14.11      | 0.0258  | 16.90     | 0.0490  |
| Limit                         | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 41 / 20MHz (Average) |            |      |        |            |         |           |         |
|-------------------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel                       | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                               |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest                        | QPSK       | 1    | 0      | 12.36      | 0.0172  | 19.01     | 0.0796  |
| Middle                        |            | 1    | 0      | 13.90      | 0.0245  | 18.27     | 0.0672  |
| Highest                       |            | 1    | 0      | 14.07      | 0.0255  | 17.25     | 0.0531  |
| Lowest                        | 16QAM      | 1    | 99     | 14.02      | 0.0252  | 19.29     | 0.0849  |
| Middle                        |            | 1    | 99     | 15.03      | 0.0318  | 18.81     | 0.0760  |
| Highest                       |            | 1    | 99     | 14.09      | 0.0256  | 16.94     | 0.0494  |
| 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) |
| Lowest                                          | 3700                 | -58.95          | -13              | -45.95                  | -77.96                  | -65.52                   | 1.67                       | 8.24                        | H                     |
|                                                 | 5550                 | -54.04          | -13              | -41.04                  | -78.71                  | -61.11                   | 2.65                       | 9.72                        | H                     |
|                                                 | 7400                 | -52.58          | -13              | -39.58                  | -78.96                  | -61.72                   | 2.46                       | 11.60                       | H                     |
|                                                 | 3700                 | -57.84          | -13              | -44.84                  | -78.02                  | -64.41                   | 1.67                       | 8.24                        | V                     |
|                                                 | 5550                 | -52.99          | -13              | -39.99                  | -78.72                  | -60.06                   | 2.65                       | 9.72                        | V                     |
|                                                 | 7400                 | -50.74          | -13              | -37.74                  | -78.83                  | -59.88                   | 2.46                       | 11.60                       | V                     |
| Middle                                          | 3756                 | -57.44          | -13              | -44.44                  | -76.71                  | -64.06                   | 1.68                       | 8.31                        | H                     |
|                                                 | 5637                 | -54.01          | -13              | -41.01                  | -78.72                  | -61.06                   | 2.70                       | 9.75                        | H                     |
|                                                 | 7517                 | -52.49          | -13              | -39.49                  | -79.27                  | -61.88                   | 2.42                       | 11.81                       | H                     |
|                                                 | 3756                 | -57.07          | -13              | -44.07                  | -77.29                  | -63.69                   | 1.68                       | 8.31                        | V                     |
|                                                 | 5637                 | -53.06          | -13              | -40.06                  | -78.85                  | -60.11                   | 2.70                       | 9.75                        | V                     |
|                                                 | 7517                 | -50.49          | -13              | -37.49                  | -79.08                  | -59.88                   | 2.42                       | 11.81                       | V                     |
| Highest                                         | 3817                 | -53.58          | -13              | -40.58                  | -76.61                  | -60.26                   | 1.70                       | 8.38                        | H                     |
|                                                 | 5725                 | -51.88          | -13              | -38.88                  | -78.93                  | -58.92                   | 2.75                       | 9.79                        | H                     |
|                                                 | 7634                 | -48.84          | -13              | -35.84                  | -78.48                  | -58.33                   | 2.39                       | 11.88                       | H                     |
|                                                 | 3817                 | -53.54          | -13              | -40.54                  | -76.96                  | -60.22                   | 1.70                       | 8.38                        | V                     |
|                                                 | 5725                 | -51.07          | -13              | -38.07                  | -78.91                  | -58.11                   | 2.75                       | 9.79                        | V                     |
|                                                 | 7634                 | -47.62          | -13              | -34.62                  | -78.92                  | -57.11                   | 2.39                       | 11.88                       | 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) |
| Lowest                                        | 3700                 | -58.92          | -13              | -45.92                  | -77.98                  | -65.49                   | 1.67                       | 8.24                        | H                     |
|                                               | 5550                 | -53.95          | -13              | -40.95                  | -78.56                  | -61.02                   | 2.65                       | 9.72                        | H                     |
|                                               | 7400                 | -52.43          | -13              | -39.43                  | -78.97                  | -61.57                   | 2.46                       | 11.60                       | H                     |
|                                               | 3700                 | -57.98          | -13              | -44.98                  | -77.96                  | -64.55                   | 1.67                       | 8.24                        | V                     |
|                                               | 5550                 | -53.06          | -13              | -40.06                  | -78.96                  | -60.13                   | 2.65                       | 9.72                        | V                     |
|                                               | 7400                 | -50.74          | -13              | -37.74                  | -78.78                  | -59.88                   | 2.46                       | 11.60                       | V                     |
| Middle                                        | 3757                 | -57.71          | -13              | -44.71                  | -77                     | -64.33                   | 1.68                       | 8.31                        | H                     |
|                                               | 5635                 | -54.17          | -13              | -41.17                  | -78.84                  | -61.22                   | 2.70                       | 9.75                        | H                     |
|                                               | 7514                 | -52.39          | -13              | -39.39                  | -78.99                  | -61.77                   | 2.42                       | 11.81                       | H                     |
|                                               | 3757                 | -57.41          | -13              | -44.41                  | -77.45                  | -64.03                   | 1.68                       | 8.31                        | V                     |
|                                               | 5635                 | -52.72          | -13              | -39.72                  | -78.5                   | -59.77                   | 2.70                       | 9.75                        | V                     |
|                                               | 7514                 | -50.39          | -13              | -37.39                  | -78.77                  | -59.77                   | 2.42                       | 11.81                       | V                     |
| Highest                                       | 3814                 | -53.66          | -13              | -40.66                  | -76.65                  | -60.33                   | 1.70                       | 8.38                        | H                     |
|                                               | 5721                 | -51.89          | -13              | -38.89                  | -78.83                  | -58.93                   | 2.75                       | 9.79                        | H                     |
|                                               | 7628                 | -49.18          | -13              | -36.18                  | -78.76                  | -58.67                   | 2.39                       | 11.88                       | H                     |
|                                               | 3814                 | -54.21          | -13              | -41.21                  | -77.39                  | -60.88                   | 1.70                       | 8.38                        | V                     |
|                                               | 5721                 | -50.82          | -13              | -37.82                  | -78.48                  | -57.86                   | 2.75                       | 9.79                        | V                     |
|                                               | 7628                 | -47.73          | -13              | -34.73                  | -78.97                  | -57.22                   | 2.39                       | 11.88                       | 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) |
| Lowest                                        | 3700                 | -58.84          | -13              | -45.84                  | -77.96                  | -65.41                   | 1.67                       | 8.24                        | H                     |
|                                               | 5550                 | -53.95          | -13              | -40.95                  | -78.7                   | -61.02                   | 2.65                       | 9.72                        | H                     |
|                                               | 7400                 | -52.54          | -13              | -39.54                  | -78.93                  | -61.68                   | 2.46                       | 11.60                       | H                     |
|                                               | 3700                 | -57.84          | -13              | -44.84                  | -77.98                  | -64.41                   | 1.67                       | 8.24                        | V                     |
|                                               | 5550                 | -52.95          | -13              | -39.95                  | -78.67                  | -60.02                   | 2.65                       | 9.72                        | V                     |
|                                               | 7400                 | -50.63          | -13              | -37.63                  | -78.8                   | -59.77                   | 2.46                       | 11.60                       | V                     |
| Middle                                        | 3755                 | -57.71          | -13              | -44.71                  | -77.16                  | -64.33                   | 1.68                       | 8.31                        | H                     |
|                                               | 5632                 | -54.06          | -13              | -41.06                  | -78.88                  | -61.11                   | 2.70                       | 9.75                        | H                     |
|                                               | 7510                 | -52.51          | -13              | -39.51                  | -79.29                  | -61.89                   | 2.43                       | 11.81                       | H                     |
|                                               | 3755                 | -57.41          | -13              | -44.41                  | -77.45                  | -64.03                   | 1.68                       | 8.31                        | V                     |
|                                               | 5632                 | -52.97          | -13              | -39.97                  | -78.52                  | -60.02                   | 2.70                       | 9.75                        | V                     |
|                                               | 7510                 | -49.39          | -13              | -36.39                  | -78.76                  | -58.77                   | 2.43                       | 11.81                       | V                     |
| Highest                                       | 3810                 | -54.10          | -13              | -41.10                  | -76.94                  | -60.77                   | 1.70                       | 8.37                        | H                     |
|                                               | 5715                 | -51.94          | -13              | -38.94                  | -78.74                  | -58.98                   | 2.75                       | 9.79                        | H                     |
|                                               | 7620                 | -49.18          | -13              | -36.18                  | -78.87                  | -58.66                   | 2.39                       | 11.87                       | H                     |
|                                               | 3810                 | -53.77          | -13              | -40.77                  | -77.12                  | -60.44                   | 1.70                       | 8.37                        | V                     |
|                                               | 5715                 | -51.18          | -13              | -38.18                  | -78.98                  | -58.22                   | 2.75                       | 9.79                        | V                     |
|                                               | 7620                 | -47.94          | -13              | -34.94                  | -79.28                  | -57.42                   | 2.39                       | 11.87                       | 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) |
| Lowest                                         | 3700                 | -58.95          | -13              | -45.95                  | -78.05                  | -65.52                   | 1.67                       | 8.24                        | H                     |
|                                                | 5550                 | -53.96          | -13              | -40.96                  | -78.6                   | -61.03                   | 2.65                       | 9.72                        | H                     |
|                                                | 7400                 | -52.88          | -13              | -39.88                  | -79.11                  | -62.02                   | 2.46                       | 11.60                       | H                     |
|                                                | 3700                 | -57.64          | -13              | -44.64                  | -77.76                  | -64.21                   | 1.67                       | 8.24                        | V                     |
|                                                | 5550                 | -52.99          | -13              | -39.99                  | -78.87                  | -60.06                   | 2.65                       | 9.72                        | V                     |
|                                                | 7400                 | -50.88          | -13              | -37.88                  | -78.97                  | -60.02                   | 2.46                       | 11.60                       | V                     |
| Middle                                         | 3750                 | -57.81          | -13              | -44.81                  | -77.25                  | -64.43                   | 1.68                       | 8.30                        | H                     |
|                                                | 5625                 | -53.98          | -13              | -40.98                  | -78.69                  | -61.03                   | 2.70                       | 9.75                        | H                     |
|                                                | 7500                 | -52.39          | -13              | -39.39                  | -79.28                  | -61.76                   | 2.43                       | 11.80                       | H                     |
|                                                | 3750                 | -57.41          | -13              | -44.41                  | -77.66                  | -64.03                   | 1.68                       | 8.30                        | V                     |
|                                                | 5625                 | -53.17          | -13              | -40.17                  | -78.88                  | -60.22                   | 2.70                       | 9.75                        | V                     |
|                                                | 7500                 | -50.66          | -13              | -37.66                  | -79.14                  | -60.03                   | 2.43                       | 11.80                       | V                     |
| Highest                                        | 3800                 | -53.57          | -13              | -40.57                  | -76.78                  | -60.23                   | 1.70                       | 8.36                        | H                     |
|                                                | 5700                 | -51.88          | -13              | -38.88                  | -78.63                  | -58.92                   | 2.74                       | 9.78                        | H                     |
|                                                | 7600                 | -49.57          | -13              | -36.57                  | -79.13                  | -59.03                   | 2.40                       | 11.86                       | H                     |
|                                                | 3800                 | -53.93          | -13              | -40.93                  | -77.25                  | -60.59                   | 1.70                       | 8.36                        | V                     |
|                                                | 5700                 | -50.89          | -13              | -37.89                  | -78.73                  | -57.93                   | 2.74                       | 9.78                        | V                     |
|                                                | 7600                 | -47.75          | -13              | -34.75                  | -79.11                  | -57.21                   | 2.40                       | 11.86                       | 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) |
| Lowest                                         | 3700                 | -59.02          | -13              | -46.02                  | -78.17                  | -65.59                   | 1.67                       | 8.24                        | H                     |
|                                                | 5550                 | -54.26          | -13              | -41.26                  | -78.88                  | -61.33                   | 2.65                       | 9.72                        | H                     |
|                                                | 7400                 | -52.74          | -13              | -39.74                  | -79.17                  | -61.88                   | 2.46                       | 11.60                       | H                     |
|                                                | 3700                 | -58.31          | -13              | -45.31                  | -78.27                  | -64.88                   | 1.67                       | 8.24                        | V                     |
|                                                | 5550                 | -53.04          | -13              | -40.04                  | -78.87                  | -60.11                   | 2.65                       | 9.72                        | V                     |
|                                                | 7400                 | -50.88          | -13              | -37.88                  | -79.09                  | -60.02                   | 2.46                       | 11.60                       | V                     |
| Middle                                         | 3745                 | -58.41          | -13              | -45.41                  | -77.71                  | -65.02                   | 1.68                       | 8.29                        | H                     |
|                                                | 5618                 | -54.06          | -13              | -41.06                  | -78.7                   | -61.11                   | 2.69                       | 9.75                        | H                     |
|                                                | 7490                 | -52.42          | -13              | -39.42                  | -79.07                  | -61.77                   | 2.43                       | 11.78                       | H                     |
|                                                | 3745                 | -57.61          | -13              | -44.61                  | -77.95                  | -64.22                   | 1.68                       | 8.29                        | V                     |
|                                                | 5618                 | -52.97          | -13              | -39.97                  | -78.73                  | -60.02                   | 2.69                       | 9.75                        | V                     |
|                                                | 7490                 | -50.87          | -13              | -37.87                  | -79.31                  | -60.22                   | 2.43                       | 11.78                       | V                     |
| Highest                                        | 3790                 | -54.58          | -13              | -41.58                  | -77.11                  | -61.23                   | 1.70                       | 8.35                        | H                     |
|                                                | 5685                 | -51.48          | -13              | -38.48                  | -78.42                  | -58.52                   | 2.73                       | 9.77                        | H                     |
|                                                | 7580                 | -49.58          | -13              | -36.58                  | -79.15                  | -59.02                   | 2.40                       | 11.85                       | H                     |
|                                                | 3790                 | -54.37          | -13              | -41.37                  | -77.23                  | -61.02                   | 1.70                       | 8.35                        | V                     |
|                                                | 5685                 | -50.99          | -13              | -37.99                  | -78.97                  | -58.03                   | 2.73                       | 9.77                        | V                     |
|                                                | 7580                 | -48.07          | -13              | -35.07                  | -79.42                  | -57.51                   | 2.40                       | 11.85                       | 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) |
| Lowest                                         | 3700                 | -58.95          | -13              | -45.95                  | -78.07                  | -65.52                   | 1.67                       | 8.24                        | H                     |
|                                                | 5550                 | -53.95          | -13              | -40.95                  | -78.69                  | -61.02                   | 2.65                       | 9.72                        | H                     |
|                                                | 7400                 | -52.74          | -13              | -39.74                  | -79.1                   | -61.88                   | 2.46                       | 11.60                       | H                     |
|                                                | 3700                 | -57.87          | -13              | -44.87                  | -77.95                  | -64.44                   | 1.67                       | 8.24                        | V                     |
|                                                | 5550                 | -53.02          | -13              | -40.02                  | -78.9                   | -60.09                   | 2.65                       | 9.72                        | V                     |
|                                                | 7400                 | -50.89          | -13              | -37.89                  | -78.93                  | -60.03                   | 2.46                       | 11.60                       | V                     |
| Middle                                         | 3740                 | -58.41          | -13              | -45.41                  | -77.71                  | -65.02                   | 1.68                       | 8.29                        | H                     |
|                                                | 5610                 | -53.96          | -13              | -40.96                  | -78.5                   | -61.02                   | 2.69                       | 9.74                        | H                     |
|                                                | 7480                 | -52.71          | -13              | -39.71                  | -79.18                  | -62.03                   | 2.44                       | 11.76                       | H                     |
|                                                | 3740                 | -57.61          | -13              | -44.61                  | -77.78                  | -64.22                   | 1.68                       | 8.29                        | V                     |
|                                                | 5610                 | -52.97          | -13              | -39.97                  | -78.47                  | -60.03                   | 2.69                       | 9.74                        | V                     |
|                                                | 7480                 | -50.79          | -13              | -37.79                  | -79.13                  | -60.11                   | 2.44                       | 11.76                       | V                     |
| Highest                                        | 3780                 | -55.38          | -13              | -42.38                  | -77.69                  | -62.02                   | 1.69                       | 8.34                        | H                     |
|                                                | 5670                 | -51.88          | -13              | -38.88                  | -78.84                  | -58.93                   | 2.72                       | 9.77                        | H                     |
|                                                | 7560                 | -49.90          | -13              | -36.90                  | -79.35                  | -59.33                   | 2.41                       | 11.84                       | H                     |
|                                                | 3780                 | -54.80          | -13              | -41.80                  | -77.78                  | -61.44                   | 1.69                       | 8.34                        | V                     |
|                                                | 5670                 | -50.88          | -13              | -37.88                  | -78.79                  | -57.93                   | 2.72                       | 9.77                        | V                     |
|                                                | 7560                 | -48.26          | -13              | -35.26                  | -79.26                  | -57.69                   | 2.41                       | 11.84                       | 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<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                                          | 3420                 | -58.98          | -13              | -45.98                  | -76.53                  | -65.05                   | 1.58                       | 7.65                        | H                     |
|                                                 | 5130                 | -55.32          | -13              | -42.32                  | -78.64                  | -62.61                   | 2.41                       | 9.70                        | H                     |
|                                                 | 6840                 | -52.76          | -13              | -39.76                  | -78.92                  | -60.73                   | 2.64                       | 10.61                       | H                     |
|                                                 | 3420                 | -58.54          | -13              | -45.54                  | -77.33                  | -64.61                   | 1.58                       | 7.65                        | V                     |
|                                                 | 5130                 | -54.57          | -13              | -41.57                  | -78.93                  | -61.86                   | 2.41                       | 9.70                        | V                     |
|                                                 | 6840                 | -51.55          | -13              | -38.55                  | -78.92                  | -59.52                   | 2.64                       | 10.61                       | V                     |
| Middle                                          | 3462                 | -60.58          | -13              | -47.58                  | -78.07                  | -66.82                   | 1.59                       | 7.83                        | H                     |
|                                                 | 5196                 | -52.77          | -13              | -39.77                  | -76.1                   | -60.02                   | 2.45                       | 9.70                        | H                     |
|                                                 | 6927                 | -53.69          | -13              | -40.69                  | -79.85                  | -61.79                   | 2.61                       | 10.71                       | H                     |
|                                                 | 3462                 | -58.94          | -13              | -45.94                  | -77.8                   | -65.18                   | 1.59                       | 7.83                        | V                     |
|                                                 | 5196                 | -53.99          | -13              | -40.99                  | -78.45                  | -61.24                   | 2.45                       | 9.70                        | V                     |
|                                                 | 6927                 | -52.49          | -13              | -39.49                  | -79.8                   | -60.59                   | 2.61                       | 10.71                       | V                     |
| Highest                                         | 3507                 | -59.58          | -13              | -46.58                  | -77.17                  | -65.98                   | 1.61                       | 8.01                        | H                     |
|                                                 | 5260                 | -54.57          | -13              | -41.57                  | -78.66                  | -61.78                   | 2.49                       | 9.70                        | H                     |
|                                                 | 7015                 | -52.59          | -13              | -39.59                  | -78.78                  | -60.83                   | 2.59                       | 10.83                       | H                     |
|                                                 | 3507                 | -58.06          | -13              | -45.06                  | -76.99                  | -64.46                   | 1.61                       | 8.01                        | V                     |
|                                                 | 5260                 | -53.31          | -13              | -40.31                  | -78.3                   | -60.52                   | 2.49                       | 9.70                        | V                     |
|                                                 | 7015                 | -51.08          | -13              | -38.08                  | -78.41                  | -59.32                   | 2.59                       | 10.83                       | 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<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                                        | 3420                 | -58.96          | -13              | -45.96                  | -76.51                  | -65.03                   | 1.58                       | 7.65                        | H                     |
|                                               | 5128                 | -50.03          | -13              | -37.03                  | -73.42                  | -57.32                   | 2.41                       | 9.70                        | H                     |
|                                               | 6840                 | -52.87          | -13              | -39.87                  | -78.99                  | -60.84                   | 2.64                       | 10.61                       | H                     |
|                                               | 3420                 | -58.46          | -13              | -45.46                  | -77.25                  | -64.53                   | 1.58                       | 7.65                        | V                     |
|                                               | 5128                 | -51.98          | -13              | -38.98                  | -76.4                   | -59.27                   | 2.41                       | 9.70                        | V                     |
|                                               | 6840                 | -51.42          | -13              | -38.42                  | -78.79                  | -59.39                   | 2.64                       | 10.61                       | V                     |
| Middle                                        | 3462                 | -59.80          | -13              | -46.80                  | -77.28                  | -66.04                   | 1.59                       | 7.83                        | H                     |
|                                               | 5191                 | -47.77          | -13              | -34.77                  | -71.08                  | -55.02                   | 2.45                       | 9.70                        | H                     |
|                                               | 6924                 | -52.78          | -13              | -39.78                  | -78.88                  | -60.87                   | 2.62                       | 10.71                       | H                     |
|                                               | 3462                 | -58.09          | -13              | -45.09                  | -76.97                  | -64.33                   | 1.59                       | 7.83                        | V                     |
|                                               | 5191                 | -52.17          | -13              | -39.17                  | -76.61                  | -59.42                   | 2.45                       | 9.70                        | V                     |
|                                               | 6924                 | -51.46          | -13              | -38.46                  | -78.75                  | -59.55                   | 2.62                       | 10.71                       | V                     |
| Highest                                       | 3504                 | -59.34          | -13              | -46.34                  | -76.91                  | -65.74                   | 1.61                       | 8.00                        | H                     |
|                                               | 5254                 | -50.86          | -13              | -37.86                  | -74.97                  | -58.08                   | 2.48                       | 9.70                        | H                     |
|                                               | 7008                 | -52.54          | -13              | -39.54                  | -78.68                  | -60.77                   | 2.59                       | 10.82                       | H                     |
|                                               | 3504                 | -57.42          | -13              | -44.42                  | -76.31                  | -63.82                   | 1.61                       | 8.00                        | V                     |
|                                               | 5254                 | -52.99          | -13              | -39.99                  | -78.01                  | -60.21                   | 2.48                       | 9.70                        | V                     |
|                                               | 7008                 | -51.28          | -13              | -38.28                  | -78.48                  | -59.51                   | 2.59                       | 10.82                       | V                     |

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



| LTE Band 4 / 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) |
| Lowest                                        | 3420                 | -60.62          | -13              | -47.62                  | -78.12                  | -66.69                   | 1.58                       | 7.65                        | H                     |
|                                               | 5130                 | -56.64          | -13              | -43.64                  | -79.94                  | -63.93                   | 2.41                       | 9.70                        | H                     |
|                                               | 6840                 | -53.61          | -13              | -40.61                  | -79.75                  | -61.58                   | 2.64                       | 10.61                       | H                     |
|                                               | 3420                 | -59.28          | -13              | -46.28                  | -78.11                  | -65.35                   | 1.58                       | 7.65                        | V                     |
|                                               | 5130                 | -55.39          | -13              | -42.39                  | -79.78                  | -62.68                   | 2.41                       | 9.70                        | V                     |
|                                               | 6840                 | -52.46          | -13              | -39.46                  | -79.83                  | -60.43                   | 2.64                       | 10.61                       | V                     |
| Middle                                        | 3460                 | -60.58          | -13              | -47.58                  | -78.13                  | -66.81                   | 1.59                       | 7.82                        | H                     |
|                                               | 5190                 | -56.37          | -13              | -43.37                  | -79.7                   | -63.62                   | 2.45                       | 9.70                        | H                     |
|                                               | 6920                 | -53.76          | -13              | -40.76                  | -79.91                  | -61.85                   | 2.62                       | 10.70                       | H                     |
|                                               | 3460                 | -59.26          | -13              | -46.26                  | -78.08                  | -65.49                   | 1.59                       | 7.82                        | V                     |
|                                               | 5190                 | -55.31          | -13              | -42.31                  | -79.64                  | -62.56                   | 2.45                       | 9.70                        | V                     |
|                                               | 6920                 | -52.57          | -13              | -39.57                  | -79.87                  | -60.66                   | 2.62                       | 10.70                       | V                     |
| Highest                                       | 3500                 | -60.38          | -13              | -47.38                  | -77.92                  | -66.78                   | 1.60                       | 8.00                        | H                     |
|                                               | 5252                 | -53.96          | -13              | -40.96                  | -78.08                  | -61.18                   | 2.48                       | 9.70                        | H                     |
|                                               | 7000                 | -53.04          | -13              | -40.04                  | -79.25                  | -61.25                   | 2.59                       | 10.80                       | H                     |
|                                               | 3500                 | -58.97          | -13              | -45.97                  | -77.91                  | -65.37                   | 1.60                       | 8.00                        | V                     |
|                                               | 5252                 | -54.03          | -13              | -41.03                  | -79.12                  | -61.25                   | 2.48                       | 9.70                        | V                     |
|                                               | 7000                 | -51.96          | -13              | -38.96                  | -79.21                  | -60.17                   | 2.59                       | 10.80                       | 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<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                                         | 3420                 | -60.48          | -13              | -47.48                  | -77.94                  | -66.55                   | 1.58                       | 7.65                        | H                     |
|                                                | 5130                 | -56.67          | -13              | -43.67                  | -79.98                  | -63.96                   | 2.41                       | 9.70                        | H                     |
|                                                | 6840                 | -53.76          | -13              | -40.76                  | -79.88                  | -61.73                   | 2.64                       | 10.61                       | H                     |
|                                                | 3420                 | -59.37          | -13              | -46.37                  | -78.19                  | -65.44                   | 1.58                       | 7.65                        | V                     |
|                                                | 5130                 | -55.42          | -13              | -42.42                  | -79.78                  | -62.71                   | 2.41                       | 9.70                        | V                     |
|                                                | 6840                 | -52.46          | -13              | -39.46                  | -79.79                  | -60.43                   | 2.64                       | 10.61                       | V                     |
| Middle                                         | 3455                 | -60.61          | -13              | -47.61                  | -78.05                  | -66.82                   | 1.59                       | 7.80                        | H                     |
|                                                | 5184                 | -56.32          | -13              | -43.32                  | -79.59                  | -63.58                   | 2.44                       | 9.70                        | H                     |
|                                                | 6912                 | -53.74          | -13              | -40.74                  | -79.84                  | -61.82                   | 2.62                       | 10.69                       | H                     |
|                                                | 3455                 | -59.23          | -13              | -46.23                  | -78.09                  | -65.44                   | 1.59                       | 7.80                        | V                     |
|                                                | 5184                 | -55.27          | -13              | -42.27                  | -79.66                  | -62.53                   | 2.44                       | 9.70                        | V                     |
|                                                | 6912                 | -52.69          | -13              | -39.69                  | -79.97                  | -60.77                   | 2.62                       | 10.69                       | V                     |
| Highest                                        | 3490                 | -60.69          | -13              | -47.69                  | -78.2                   | -67.04                   | 1.60                       | 7.96                        | H                     |
|                                                | 5236                 | -55.92          | -13              | -42.92                  | -79.72                  | -63.15                   | 2.47                       | 9.70                        | H                     |
|                                                | 6980                 | -53.18          | -13              | -40.18                  | -79.4                   | -61.36                   | 2.60                       | 10.78                       | H                     |
|                                                | 3490                 | -59.16          | -13              | -46.16                  | -78.08                  | -65.51                   | 1.60                       | 7.96                        | V                     |
|                                                | 5236                 | -54.85          | -13              | -41.85                  | -79.68                  | -62.08                   | 2.47                       | 9.70                        | V                     |
|                                                | 6980                 | -52.21          | -13              | -39.21                  | -79.48                  | -60.39                   | 2.60                       | 10.78                       | 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) |
| Lowest                                         | 3420                 | -60.47          | -13              | -47.47                  | -77.96                  | -66.54                   | 1.58                       | 7.65                        | H                     |
|                                                | 5132                 | -56.68          | -13              | -43.68                  | -80                     | -63.97                   | 2.41                       | 9.70                        | H                     |
|                                                | 6843                 | -53.77          | -13              | -40.77                  | -79.85                  | -61.74                   | 2.64                       | 10.61                       | H                     |
|                                                | 3420                 | -59.34          | -13              | -46.34                  | -78.2                   | -65.41                   | 1.58                       | 7.65                        | V                     |
|                                                | 5132                 | -55.58          | -13              | -42.58                  | -79.94                  | -62.87                   | 2.41                       | 9.70                        | V                     |
|                                                | 6843                 | -52.46          | -13              | -39.46                  | -79.85                  | -60.43                   | 2.64                       | 10.61                       | V                     |
| Middle                                         | 3450                 | -60.64          | -13              | -47.64                  | -78.15                  | -66.83                   | 1.59                       | 7.78                        | H                     |
|                                                | 5175                 | -56.42          | -13              | -43.42                  | -79.73                  | -63.68                   | 2.44                       | 9.70                        | H                     |
|                                                | 6900                 | -53.76          | -13              | -40.76                  | -79.88                  | -61.82                   | 2.62                       | 10.68                       | H                     |
|                                                | 3450                 | -59.46          | -13              | -46.46                  | -78.25                  | -65.65                   | 1.59                       | 7.78                        | V                     |
|                                                | 5175                 | -55.38          | -13              | -42.38                  | -79.76                  | -62.64                   | 2.44                       | 9.70                        | V                     |
|                                                | 6900                 | -52.71          | -13              | -39.71                  | -79.97                  | -60.77                   | 2.62                       | 10.68                       | V                     |
| Highest                                        | 3480                 | -60.68          | -13              | -47.68                  | -78.19                  | -66.99                   | 1.60                       | 7.91                        | H                     |
|                                                | 5220                 | -56.24          | -13              | -43.24                  | -79.75                  | -63.48                   | 2.46                       | 9.70                        | H                     |
|                                                | 6960                 | -53.71          | -13              | -40.71                  | -79.8                   | -61.86                   | 2.60                       | 10.75                       | H                     |
|                                                | 3480                 | -59.36          | -13              | -46.36                  | -78.23                  | -65.67                   | 1.60                       | 7.91                        | V                     |
|                                                | 5220                 | -55.27          | -13              | -42.27                  | -79.91                  | -62.51                   | 2.46                       | 9.70                        | V                     |
|                                                | 6960                 | -52.58          | -13              | -39.58                  | -79.78                  | -60.73                   | 2.60                       | 10.75                       | 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) |
| Lowest                                         | 3420                 | -59.60          | -13              | -46.60                  | -77.1                   | -65.67                   | 1.58                       | 7.65                        | H                     |
|                                                | 5130                 | -55.73          | -13              | -42.73                  | -79.03                  | -63.02                   | 2.41                       | 9.70                        | H                     |
|                                                | 6840                 | -52.38          | -13              | -39.38                  | -78.5                   | -60.35                   | 2.64                       | 10.61                       | H                     |
|                                                | 3420                 | -58.37          | -13              | -45.37                  | -77.19                  | -64.44                   | 1.58                       | 7.65                        | V                     |
|                                                | 5130                 | -54.72          | -13              | -41.72                  | -79.07                  | -62.01                   | 2.41                       | 9.70                        | V                     |
|                                                | 6840                 | -51.56          | -13              | -38.56                  | -78.94                  | -59.53                   | 2.64                       | 10.61                       | V                     |
| Middle                                         | 3448                 | -59.78          | -13              | -46.78                  | -77.31                  | -65.96                   | 1.59                       | 7.77                        | H                     |
|                                                | 5170                 | -55.44          | -13              | -42.44                  | -78.78                  | -62.71                   | 2.43                       | 9.70                        | H                     |
|                                                | 6894                 | -52.97          | -13              | -39.97                  | -79.11                  | -61.02                   | 2.62                       | 10.67                       | H                     |
|                                                | 3448                 | -58.45          | -13              | -45.45                  | -77.28                  | -64.63                   | 1.59                       | 7.77                        | V                     |
|                                                | 5170                 | -54.49          | -13              | -41.49                  | -78.88                  | -61.76                   | 2.43                       | 9.70                        | V                     |
|                                                | 6894                 | -51.63          | -13              | -38.63                  | -78.93                  | -59.68                   | 2.62                       | 10.67                       | V                     |
| Highest                                        | 3470                 | -59.58          | -13              | -46.58                  | -77.12                  | -65.85                   | 1.59                       | 7.87                        | H                     |
|                                                | 5205                 | -55.39          | -13              | -42.39                  | -78.61                  | -62.63                   | 2.46                       | 9.70                        | H                     |
|                                                | 6940                 | -52.86          | -13              | -39.86                  | -79                     | -60.98                   | 2.61                       | 10.73                       | H                     |
|                                                | 3470                 | -58.06          | -13              | -45.06                  | -76.92                  | -64.33                   | 1.59                       | 7.87                        | V                     |
|                                                | 5205                 | -54.29          | -13              | -41.29                  | -78.73                  | -61.53                   | 2.46                       | 9.70                        | V                     |
|                                                | 6940                 | -51.67          | -13              | -38.67                  | -78.96                  | -59.79                   | 2.61                       | 10.73                       | 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) |
| Lowest                                          | 1648                 | -65.04         | -13              | -52.04                  | -75.23                  | -66.8                    | 0.98                       | 4.89                        | H                     |
|                                                 | 2472                 | -61.02         | -13              | -48.02                  | -76.59                  | -62.9                    | 1.28                       | 5.32                        | H                     |
|                                                 | 3296                 | -60.89         | -13              | -47.89                  | -77.49                  | -64.3                    | 1.54                       | 7.10                        | H                     |
|                                                 | 1648                 | -64.64         | -13              | -51.64                  | -75.57                  | -66.4                    | 0.98                       | 4.89                        | V                     |
|                                                 | 2472                 | -59.62         | -13              | -46.62                  | -76.56                  | -61.5                    | 1.28                       | 5.32                        | V                     |
|                                                 | 3296                 | -58.99         | -13              | -45.99                  | -77.18                  | -62.4                    | 1.54                       | 7.10                        | V                     |
| Middle                                          | 1672                 | -65.42         | -13              | -52.42                  | -75.77                  | -67.1                    | 0.99                       | 4.82                        | H                     |
|                                                 | 2507                 | -60.94         | -13              | -47.94                  | -76.71                  | -62.9                    | 1.29                       | 5.41                        | H                     |
|                                                 | 3343                 | -60.60         | -13              | -47.60                  | -77.21                  | -64.2                    | 1.56                       | 7.31                        | H                     |
|                                                 | 1672                 | -64.72         | -13              | -51.72                  | -75.84                  | -66.4                    | 0.99                       | 4.82                        | V                     |
|                                                 | 2507                 | -59.64         | -13              | -46.64                  | -76.79                  | -61.6                    | 1.29                       | 5.41                        | V                     |
|                                                 | 3343                 | -59.30         | -13              | -46.30                  | -77.54                  | -62.9                    | 1.56                       | 7.31                        | V                     |
| Highest                                         | 1696                 | -64.60         | -13              | -51.60                  | -75.47                  | -66.2                    | 1.00                       | 4.75                        | H                     |
|                                                 | 2543                 | -60.92         | -13              | -47.92                  | -76.71                  | -62.9                    | 1.30                       | 5.43                        | H                     |
|                                                 | 3391                 | -60.80         | -13              | -47.80                  | -77.57                  | -64.6                    | 1.57                       | 7.52                        | H                     |
|                                                 | 1696                 | -64.10         | -13              | -51.10                  | -75.62                  | -65.7                    | 1.00                       | 4.75                        | V                     |
|                                                 | 2543                 | -59.32         | -13              | -46.32                  | -76.73                  | -61.3                    | 1.30                       | 5.43                        | V                     |
|                                                 | 3391                 | -59.40         | -13              | -46.40                  | -77.5                   | -63.2                    | 1.57                       | 7.52                        | 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) |
| Lowest                                        | 1648                 | -65.34         | -13              | -52.34                  | -75.58                  | -67.1                    | 0.98                       | 4.89                        | H                     |
|                                               | 2472                 | -61.02         | -13              | -48.02                  | -76.57                  | -62.9                    | 1.28                       | 5.32                        | H                     |
|                                               | 3296                 | -60.79         | -13              | -47.79                  | -77.34                  | -64.2                    | 1.54                       | 7.10                        | H                     |
|                                               | 1648                 | -64.64         | -13              | -51.64                  | -75.58                  | -66.4                    | 0.98                       | 4.89                        | V                     |
|                                               | 2472                 | -59.62         | -13              | -46.62                  | -76.52                  | -61.5                    | 1.28                       | 5.32                        | V                     |
|                                               | 3296                 | -58.99         | -13              | -45.99                  | -77.19                  | -62.4                    | 1.54                       | 7.10                        | V                     |
| Middle                                        | 1672                 | -64.73         | -13              | -51.73                  | -75.72                  | -66.41                   | 0.99                       | 4.82                        | H                     |
|                                               | 2505                 | -60.29         | -13              | -47.29                  | -76.74                  | -62.25                   | 1.29                       | 5.40                        | H                     |
|                                               | 3340                 | -60.21         | -13              | -47.21                  | -77.53                  | -63.8                    | 1.55                       | 7.30                        | H                     |
|                                               | 1672                 | -64.72         | -13              | -51.72                  | -75.81                  | -66.4                    | 0.99                       | 4.82                        | V                     |
|                                               | 2505                 | -59.74         | -13              | -46.74                  | -76.85                  | -61.7                    | 1.29                       | 5.40                        | V                     |
|                                               | 3340                 | -59.11         | -13              | -46.11                  | -77.21                  | -62.7                    | 1.55                       | 7.30                        | V                     |
| Highest                                       | 1688                 | -64.47         | -13              | -51.47                  | -74.95                  | -66.1                    | 1.00                       | 4.77                        | H                     |
|                                               | 2538                 | -61.12         | -13              | -48.12                  | -76.88                  | -63.1                    | 1.30                       | 5.43                        | H                     |
|                                               | 3384                 | -60.93         | -13              | -47.93                  | -77.77                  | -64.7                    | 1.57                       | 7.49                        | H                     |
|                                               | 1688                 | -64.27         | -13              | -51.27                  | -75.45                  | -65.9                    | 1.00                       | 4.77                        | V                     |
|                                               | 2538                 | -59.52         | -13              | -46.52                  | -76.83                  | -61.5                    | 1.30                       | 5.43                        | V                     |
|                                               | 3384                 | -59.53         | -13              | -46.53                  | -77.58                  | -63.3                    | 1.57                       | 7.49                        | 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) |
| Lowest                                        | 1648                 | -65.14         | -13              | -52.14                  | -75.37                  | -66.9                    | 0.98                       | 4.89                        | H                     |
|                                               | 2473                 | -60.71         | -13              | -47.71                  | -76.24                  | -62.6                    | 1.28                       | 5.32                        | H                     |
|                                               | 3297                 | -60.88         | -13              | -47.88                  | -77.52                  | -64.3                    | 1.54                       | 7.11                        | H                     |
|                                               | 1648                 | -64.74         | -13              | -51.74                  | -75.68                  | -66.5                    | 0.98                       | 4.89                        | V                     |
|                                               | 2473                 | -59.61         | -13              | -46.61                  | -76.54                  | -61.5                    | 1.28                       | 5.32                        | V                     |
|                                               | 3297                 | -59.28         | -13              | -46.28                  | -77.48                  | -62.7                    | 1.54                       | 7.11                        | V                     |
| Middle                                        | 1672                 | -65.42         | -13              | -52.42                  | -75.72                  | -67.1                    | 0.99                       | 4.82                        | H                     |
|                                               | 2503                 | -61.14         | -13              | -48.14                  | -76.91                  | -63.1                    | 1.29                       | 5.40                        | H                     |
|                                               | 3337                 | -60.92         | -13              | -47.92                  | -77.53                  | -64.5                    | 1.55                       | 7.28                        | H                     |
|                                               | 1672                 | -64.72         | -13              | -51.72                  | -75.78                  | -66.4                    | 0.99                       | 4.82                        | V                     |
|                                               | 2503                 | -59.54         | -13              | -46.54                  | -76.72                  | -61.5                    | 1.29                       | 5.40                        | V                     |
|                                               | 3337                 | -59.12         | -13              | -46.12                  | -77.25                  | -62.7                    | 1.55                       | 7.28                        | V                     |
| Highest                                       | 1688                 | -65.17         | -13              | -52.17                  | -75.64                  | -66.8                    | 1.00                       | 4.77                        | H                     |
|                                               | 2533                 | -60.92         | -13              | -47.92                  | -76.74                  | -62.9                    | 1.30                       | 5.43                        | H                     |
|                                               | 3377                 | -60.56         | -13              | -47.56                  | -77.36                  | -64.3                    | 1.57                       | 7.46                        | H                     |
|                                               | 1688                 | -64.27         | -13              | -51.27                  | -75.62                  | -65.9                    | 1.00                       | 4.77                        | V                     |
|                                               | 2533                 | -59.52         | -13              | -46.52                  | -76.75                  | -61.5                    | 1.30                       | 5.43                        | V                     |
|                                               | 3377                 | -59.36         | -13              | -46.36                  | -77.51                  | -63.1                    | 1.57                       | 7.46                        | 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) |
| Lowest                                         | 1648                 | -65.14         | -13              | -52.14                  | -75.36                  | -66.9                    | 0.98                       | 4.89                        | H                     |
|                                                | 2473                 | -60.91         | -13              | -47.91                  | -76.4                   | -62.8                    | 1.28                       | 5.32                        | H                     |
|                                                | 3298                 | -60.88         | -13              | -47.88                  | -77.48                  | -64.3                    | 1.54                       | 7.11                        | H                     |
|                                                | 1648                 | -64.54         | -13              | -51.54                  | -75.53                  | -66.3                    | 0.98                       | 4.89                        | V                     |
|                                                | 2473                 | -59.21         | -13              | -46.21                  | -76.15                  | -61.1                    | 1.28                       | 5.32                        | V                     |
|                                                | 3298                 | -59.38         | -13              | -46.38                  | -77.52                  | -62.8                    | 1.54                       | 7.11                        | V                     |
| Middle                                         | 1664                 | -65.19         | -13              | -52.19                  | -75.56                  | -66.9                    | 0.98                       | 4.84                        | H                     |
|                                                | 2496                 | -60.75         | -13              | -47.75                  | -76.48                  | -62.7                    | 1.29                       | 5.39                        | H                     |
|                                                | 3328                 | -60.96         | -13              | -47.96                  | -77.57                  | -64.5                    | 1.55                       | 7.24                        | H                     |
|                                                | 1664                 | -64.59         | -13              | -51.59                  | -75.67                  | -66.3                    | 0.98                       | 4.84                        | V                     |
|                                                | 2496                 | -58.25         | -13              | -45.25                  | -75.33                  | -60.2                    | 1.29                       | 5.39                        | V                     |
|                                                | 3328                 | -59.16         | -13              | -46.16                  | -77.29                  | -62.7                    | 1.55                       | 7.24                        | V                     |
| Highest                                        | 1680                 | -65.25         | -13              | -52.25                  | -75.86                  | -66.9                    | 0.99                       | 4.80                        | H                     |
|                                                | 2518                 | -60.93         | -13              | -47.93                  | -76.74                  | -62.9                    | 1.30                       | 5.41                        | H                     |
|                                                | 3358                 | -60.63         | -13              | -47.63                  | -77.37                  | -64.3                    | 1.56                       | 7.38                        | H                     |
|                                                | 1680                 | -64.65         | -13              | -51.65                  | -75.81                  | -66.3                    | 0.99                       | 4.80                        | V                     |
|                                                | 2518                 | -59.33         | -13              | -46.33                  | -76.48                  | -61.3                    | 1.30                       | 5.41                        | V                     |
|                                                | 3358                 | -59.13         | -13              | -46.13                  | -77.29                  | -62.8                    | 1.56                       | 7.38                        | 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) |
| Lowest                                        | 5000                 | -56.54          | -25              | -31.54                  | -80.12                  | -63.9                    | 2.34                       | 9.70                        | H                     |
|                                               | 7500                 | -53.36          | -25              | -28.36                  | -80.38                  | -62.73                   | 2.43                       | 11.80                       | H                     |
|                                               | 10000                | -53.00          | -25              | -28.00                  | -81.01                  | -62.5                    | 2.70                       | 12.20                       | H                     |
|                                               | 5000                 | -55.54          | -25              | -30.54                  | -80.09                  | -62.9                    | 2.34                       | 9.70                        | V                     |
|                                               | 7500                 | -51.73          | -25              | -26.73                  | -80.43                  | -61.1                    | 2.43                       | 11.80                       | V                     |
|                                               | 10000                | -50.42          | -25              | -25.42                  | -81.01                  | -59.92                   | 2.70                       | 12.20                       | V                     |
| Middle                                        | 5064                 | -56.82          | -25              | -31.82                  | -80.44                  | -64.15                   | 2.37                       | 9.70                        | H                     |
|                                               | 7596                 | -52.86          | -25              | -27.86                  | -80.54                  | -62.32                   | 2.40                       | 11.86                       | H                     |
|                                               | 10128                | -53.05          | -25              | -28.05                  | -81.5                   | -62.61                   | 2.70                       | 12.25                       | H                     |
|                                               | 5064                 | -55.82          | -25              | -30.82                  | -80.42                  | -63.15                   | 2.37                       | 9.70                        | V                     |
|                                               | 7596                 | -51.27          | -25              | -26.27                  | -80.66                  | -60.73                   | 2.40                       | 11.86                       | V                     |
|                                               | 10128                | -50.54          | -25              | -25.54                  | -81.54                  | -60.1                    | 2.70                       | 12.25                       | V                     |
| Highest                                       | 5128                 | -56.53          | -25              | -31.53                  | -80.17                  | -63.82                   | 2.41                       | 9.70                        | H                     |
|                                               | 7696                 | -52.40          | -25              | -27.40                  | -80.03                  | -61.95                   | 2.37                       | 11.92                       | H                     |
|                                               | 10260                | -52.23          | -25              | -27.23                  | -81.07                  | -61.84                   | 2.69                       | 12.30                       | H                     |
|                                               | 5128                 | -55.46          | -25              | -30.46                  | -80.11                  | -62.75                   | 2.41                       | 9.70                        | V                     |
|                                               | 7696                 | -50.86          | -25              | -25.86                  | -79.98                  | -60.41                   | 2.37                       | 11.92                       | V                     |
|                                               | 10260                | -49.53          | -25              | -24.53                  | -80.96                  | -59.14                   | 2.69                       | 12.30                       | 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) |
| Lowest                                         | 5000                 | -56.45          | -25              | -31.45                  | -80.06                  | -63.81                   | 2.34                       | 9.70                        | H                     |
|                                                | 7504                 | -53.31          | -25              | -28.31                  | -80.31                  | -62.68                   | 2.43                       | 11.80                       | H                     |
|                                                | 10000                | -53.02          | -25              | -28.02                  | -81.03                  | -62.52                   | 2.70                       | 12.20                       | H                     |
|                                                | 5000                 | -55.54          | -25              | -30.54                  | -80.09                  | -62.9                    | 2.34                       | 9.70                        | V                     |
|                                                | 7504                 | -51.58          | -25              | -26.58                  | -80.31                  | -60.95                   | 2.43                       | 11.80                       | V                     |
|                                                | 10000                | -50.41          | -25              | -25.41                  | -81.04                  | -59.91                   | 2.70                       | 12.20                       | V                     |
| Middle                                         | 5061                 | -56.63          | -25              | -31.63                  | -80.24                  | -63.96                   | 2.37                       | 9.70                        | H                     |
|                                                | 7592                 | -52.67          | -25              | -27.67                  | -80.38                  | -62.13                   | 2.40                       | 11.86                       | H                     |
|                                                | 10120                | -53.06          | -25              | -28.06                  | -81.42                  | -62.61                   | 2.70                       | 12.25                       | H                     |
|                                                | 5061                 | -55.72          | -25              | -30.72                  | -80.32                  | -63.05                   | 2.37                       | 9.70                        | V                     |
|                                                | 7592                 | -51.16          | -25              | -26.16                  | -80.57                  | -60.62                   | 2.40                       | 11.86                       | V                     |
|                                                | 10120                | -50.48          | -25              | -25.48                  | -81.44                  | -60.03                   | 2.70                       | 12.25                       | V                     |
| Highest                                        | 5120                 | -56.43          | -25              | -31.43                  | -80.04                  | -63.72                   | 2.41                       | 9.70                        | H                     |
|                                                | 7680                 | -52.30          | -25              | -27.30                  | -79.92                  | -61.84                   | 2.37                       | 11.91                       | H                     |
|                                                | 10240                | -52.13          | -25              | -27.13                  | -80.92                  | -61.73                   | 2.69                       | 12.30                       | H                     |
|                                                | 5120                 | -55.51          | -25              | -30.51                  | -80.13                  | -62.8                    | 2.41                       | 9.70                        | V                     |
|                                                | 7680                 | -50.76          | -25              | -25.76                  | -79.92                  | -60.3                    | 2.37                       | 11.91                       | V                     |
|                                                | 10240                | -49.73          | -25              | -24.73                  | -81.09                  | -59.33                   | 2.69                       | 12.30                       | 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 ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                                         | 5000              | -56.39       | -25           | -31.39            | -80.01            | -63.75             | 2.34                 | 9.70                  | H                  |
|                                                | 7504              | -53.35       | -25           | -28.35            | -80.36            | -62.72             | 2.43                 | 11.80                 | H                  |
|                                                | 10004             | -53.30       | -25           | -28.30            | -81.31            | -62.8              | 2.70                 | 12.20                 | H                  |
|                                                | 5000              | -55.44       | -25           | -30.44            | -79.99            | -62.8              | 2.34                 | 9.70                  | V                  |
|                                                | 7504              | -51.66       | -25           | -26.66            | -80.41            | -61.03             | 2.43                 | 11.80                 | V                  |
|                                                | 10004             | -50.50       | -25           | -25.50            | -81.11            | -60                | 2.70                 | 12.20                 | V                  |
| Middle                                         | 5056              | -56.74       | -25           | -31.74            | -80.35            | -64.07             | 2.37                 | 9.70                  | H                  |
|                                                | 7584              | -52.95       | -25           | -27.95            | -80.49            | -62.4              | 2.40                 | 11.85                 | H                  |
|                                                | 10112             | -52.94       | -25           | -27.94            | -81.32            | -62.49             | 2.70                 | 12.24                 | H                  |
|                                                | 5056              | -55.67       | -25           | -30.67            | -80.29            | -63                | 2.37                 | 9.70                  | V                  |
|                                                | 7584              | -51.14       | -25           | -26.14            | -80.41            | -60.59             | 2.40                 | 11.85                 | V                  |
|                                                | 10112             | -50.41       | -25           | -25.41            | -81.38            | -59.96             | 2.70                 | 12.24                 | V                  |
| Highest                                        | 5112              | -56.40       | -25           | -31.40            | -79.99            | -63.7              | 2.40                 | 9.70                  | H                  |
|                                                | 7668              | -52.18       | -25           | -27.18            | -79.84            | -61.71             | 2.38                 | 11.90                 | H                  |
|                                                | 10224             | -52.34       | -25           | -27.34            | -81.08            | -61.93             | 2.69                 | 12.29                 | H                  |
|                                                | 5112              | -55.51       | -25           | -30.51            | -80.13            | -62.81             | 2.40                 | 9.70                  | V                  |
|                                                | 7668              | -50.80       | -25           | -25.80            | -80.01            | -60.33             | 2.38                 | 11.90                 | V                  |
|                                                | 10224             | -49.81       | -25           | -24.81            | -81.1             | -59.4              | 2.69                 | 12.29                 | 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) |
| Lowest                                         | 5001                 | -56.49          | -25              | -31.49                  | -80.1                   | -63.85                   | 2.34                       | 9.70                        | H                     |
|                                                | 7504                 | -53.33          | -25              | -28.33                  | -80.32                  | -62.7                    | 2.43                       | 11.80                       | H                     |
|                                                | 10004                | -53.15          | -25              | -28.15                  | -81.17                  | -62.65                   | 2.70                       | 12.20                       | H                     |
|                                                | 5001                 | -55.50          | -25              | -30.50                  | -80.07                  | -62.86                   | 2.34                       | 9.70                        | V                     |
|                                                | 7504                 | -51.63          | -25              | -26.63                  | -80.35                  | -61                      | 2.43                       | 11.80                       | V                     |
|                                                | 10004                | -50.54          | -25              | -25.54                  | -81.15                  | -60.04                   | 2.70                       | 12.20                       | V                     |
| Middle                                         | 5052                 | -56.49          | -25              | -31.49                  | -80.09                  | -63.82                   | 2.37                       | 9.70                        | H                     |
|                                                | 7576                 | -52.96          | -25              | -27.96                  | -80.49                  | -62.4                    | 2.40                       | 11.85                       | H                     |
|                                                | 10104                | -53.05          | -25              | -28.05                  | -81.4                   | -62.6                    | 2.70                       | 12.24                       | H                     |
|                                                | 5052                 | -55.72          | -25              | -30.72                  | -80.32                  | -63.05                   | 2.37                       | 9.70                        | V                     |
|                                                | 7576                 | -51.29          | -25              | -26.29                  | -80.56                  | -60.73                   | 2.40                       | 11.85                       | V                     |
|                                                | 10104                | -50.45          | -25              | -25.45                  | -81.39                  | -60                      | 2.70                       | 12.24                       | V                     |
| Highest                                        | 5104                 | -56.72          | -25              | -31.72                  | -80.32                  | -64.02                   | 2.40                       | 9.70                        | H                     |
|                                                | 7652                 | -52.20          | -25              | -27.20                  | -79.88                  | -61.71                   | 2.38                       | 11.89                       | H                     |
|                                                | 10204                | -52.50          | -25              | -27.50                  | -81.19                  | -62.09                   | 2.70                       | 12.28                       | H                     |
|                                                | 5100                 | -55.52          | -25              | -30.52                  | -80.16                  | -62.83                   | 2.39                       | 9.70                        | V                     |
|                                                | 7652                 | -50.54          | -25              | -25.54                  | -79.83                  | -60.05                   | 2.38                       | 11.89                       | V                     |
|                                                | 10204                | -49.92          | -25              | -24.92                  | -81.18                  | -59.51                   | 2.70                       | 12.28                       | V                     |

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



| LTE Band 12 / 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) |
| Lowest                                           | 1398                 | -63.84         | -13              | -50.84                  | -73.64                  | -65.49                   | 0.87                       | 4.67                        | H                     |
|                                                  | 2097                 | -62.84         | -13              | -49.84                  | -76.46                  | -63.72                   | 1.16                       | 4.19                        | H                     |
|                                                  | 2796                 | -59.86         | -13              | -46.86                  | -76.44                  | -61.96                   | 1.38                       | 5.64                        | H                     |
|                                                  | 1398                 | -63.98         | -13              | -50.98                  | -73.90                  | -65.63                   | 0.87                       | 4.67                        | V                     |
|                                                  | 2097                 | -61.07         | -13              | -48.07                  | -76.43                  | -61.95                   | 1.16                       | 4.19                        | V                     |
|                                                  | 2796                 | -58.87         | -13              | -45.87                  | -76.80                  | -60.97                   | 1.38                       | 5.64                        | V                     |
| Middle                                           | 1414                 | -64.73         | -13              | -51.73                  | -74.58                  | -66.47                   | 0.87                       | 4.77                        | H                     |
|                                                  | 2120                 | -62.58         | -13              | -49.58                  | -76.22                  | -63.52                   | 1.17                       | 4.26                        | H                     |
|                                                  | 2827                 | -60.05         | -13              | -47.05                  | -76.75                  | -62.17                   | 1.39                       | 5.66                        | H                     |
|                                                  | 1414                 | -64.67         | -13              | -51.67                  | -74.52                  | -66.41                   | 0.87                       | 4.77                        | V                     |
|                                                  | 2120                 | -60.98         | -13              | -47.98                  | -76.40                  | -61.92                   | 1.17                       | 4.26                        | V                     |
|                                                  | 2827                 | -58.83         | -13              | -45.83                  | -76.76                  | -60.95                   | 1.39                       | 5.66                        | V                     |
| Highest                                          | 1429                 | -64.21         | -13              | -51.21                  | -73.98                  | -66.04                   | 0.88                       | 4.86                        | H                     |
|                                                  | 2144                 | -62.87         | -13              | -49.87                  | -76.57                  | -63.87                   | 1.18                       | 4.33                        | H                     |
|                                                  | 2858                 | -59.88         | -13              | -46.88                  | -76.63                  | -62.01                   | 1.40                       | 5.69                        | H                     |
|                                                  | 1432                 | -63.94         | -13              | -50.94                  | -74.03                  | -65.79                   | 0.88                       | 4.88                        | V                     |
|                                                  | 2144                 | -60.97         | -13              | -47.97                  | -76.43                  | -61.97                   | 1.18                       | 4.33                        | V                     |
|                                                  | 2858                 | -58.91         | -13              | -45.91                  | -76.81                  | -61.04                   | 1.40                       | 5.69                        | V                     |

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



| LTE Band 12 / 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) |
| Lowest                                         | 1400                 | -64.48         | -13              | -51.48                  | -74.20                  | -66.14                   | 0.87                       | 4.68                        | H                     |
|                                                | 2097                 | -62.87         | -13              | -49.87                  | -76.54                  | -63.75                   | 1.16                       | 4.19                        | H                     |
|                                                | 2796                 | -60.34         | -13              | -47.34                  | -76.98                  | -62.44                   | 1.38                       | 5.64                        | H                     |
|                                                | 1400                 | -63.94         | -13              | -50.94                  | -73.81                  | -65.60                   | 0.87                       | 4.68                        | V                     |
|                                                | 2097                 | -61.07         | -13              | -48.07                  | -76.39                  | -61.95                   | 1.16                       | 4.19                        | V                     |
|                                                | 2796                 | -59.11         | -13              | -46.11                  | -77.00                  | -61.21                   | 1.38                       | 5.64                        | V                     |
| Middle                                         | 1408                 | -64.87         | -13              | -51.87                  | -74.49                  | -66.58                   | 0.87                       | 4.73                        | H                     |
|                                                | 2118                 | -62.78         | -13              | -49.78                  | -76.38                  | -63.71                   | 1.17                       | 4.25                        | H                     |
|                                                | 2824                 | -60.13         | -13              | -47.13                  | -76.83                  | -62.25                   | 1.39                       | 5.66                        | H                     |
|                                                | 1408                 | -64.64         | -13              | -51.64                  | -74.51                  | -66.35                   | 0.87                       | 4.73                        | V                     |
|                                                | 2118                 | -61.06         | -13              | -48.06                  | -76.33                  | -61.99                   | 1.17                       | 4.25                        | V                     |
|                                                | 2824                 | -58.82         | -13              | -45.82                  | -76.66                  | -60.94                   | 1.39                       | 5.66                        | V                     |
| Highest                                        | 1424                 | -63.87         | -13              | -50.87                  | -73.81                  | -65.67                   | 0.88                       | 4.83                        | H                     |
|                                                | 2139                 | -62.84         | -13              | -49.84                  | -76.47                  | -63.83                   | 1.18                       | 4.32                        | H                     |
|                                                | 2852                 | -60.06         | -13              | -47.06                  | -76.80                  | -62.19                   | 1.40                       | 5.68                        | H                     |
|                                                | 1424                 | -63.98         | -13              | -50.98                  | -74.07                  | -65.78                   | 0.88                       | 4.83                        | V                     |
|                                                | 2139                 | -60.84         | -13              | -47.84                  | -76.09                  | -61.83                   | 1.18                       | 4.32                        | V                     |
|                                                | 2852                 | -58.89         | -13              | -45.89                  | -76.85                  | -61.02                   | 1.40                       | 5.68                        | V                     |

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



| LTE Band 12 / 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) |
| Lowest                                         | 1398                 | -64.37         | -13              | -51.37                  | -74.24                  | -66.02                   | 0.87                       | 4.67                        | H                     |
|                                                | 2097                 | -62.78         | -13              | -49.78                  | -76.50                  | -63.66                   | 1.16                       | 4.19                        | H                     |
|                                                | 2796                 | -60.02         | -13              | -47.02                  | -76.93                  | -62.12                   | 1.38                       | 5.64                        | H                     |
|                                                | 1398                 | -63.54         | -13              | -50.54                  | -73.68                  | -65.19                   | 0.87                       | 4.67                        | V                     |
|                                                | 2097                 | -60.89         | -13              | -47.89                  | -76.24                  | -61.77                   | 1.16                       | 4.19                        | V                     |
|                                                | 2796                 | -59.23         | -13              | -46.23                  | -77.02                  | -61.33                   | 1.38                       | 5.64                        | V                     |
| Middle                                         | 1408                 | -64.87         | -13              | -51.87                  | -74.57                  | -66.58                   | 0.87                       | 4.73                        | H                     |
|                                                | 2115                 | -62.90         | -13              | -49.90                  | -76.38                  | -63.82                   | 1.17                       | 4.25                        | H                     |
|                                                | 2820                 | -60.17         | -13              | -47.17                  | -76.83                  | -62.28                   | 1.39                       | 5.66                        | H                     |
|                                                | 1408                 | -64.91         | -13              | -51.91                  | -74.57                  | -66.62                   | 0.87                       | 4.73                        | V                     |
|                                                | 2115                 | -60.76         | -13              | -47.76                  | -76.01                  | -61.68                   | 1.17                       | 4.25                        | V                     |
|                                                | 2820                 | -58.97         | -13              | -45.97                  | -76.83                  | -61.08                   | 1.39                       | 5.66                        | V                     |
| Highest                                        | 1424                 | -64.89         | -13              | -51.89                  | -74.87                  | -66.69                   | 0.88                       | 4.83                        | H                     |
|                                                | 2133                 | -62.36         | -13              | -49.36                  | -76.27                  | -63.33                   | 1.18                       | 4.30                        | H                     |
|                                                | 2844                 | -59.87         | -13              | -46.87                  | -76.96                  | -62.00                   | 1.40                       | 5.68                        | H                     |
|                                                | 1424                 | -64.42         | -13              | -51.42                  | -74.69                  | -66.22                   | 0.88                       | 4.83                        | V                     |
|                                                | 2133                 | -60.39         | -13              | -47.39                  | -75.93                  | -61.36                   | 1.18                       | 4.30                        | V                     |
|                                                | 2844                 | -58.89         | -13              | -45.89                  | -77.02                  | -61.02                   | 1.40                       | 5.68                        | V                     |

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



| LTE Band 12 / 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) |
| Lowest                                          | 1400                 | -63.57         | -13              | -50.57                  | -73.67                  | -65.23                   | 0.87                       | 4.68                        | H                     |
|                                                 | 2097                 | -62.45         | -13              | -49.45                  | -76.33                  | -63.33                   | 1.16                       | 4.19                        | H                     |
|                                                 | 2796                 | -60.31         | -13              | -47.31                  | -77.01                  | -62.41                   | 1.38                       | 5.64                        | H                     |
|                                                 | 1400                 | -64.36         | -13              | -51.36                  | -74.26                  | -66.02                   | 0.87                       | 4.68                        | V                     |
|                                                 | 2097                 | -68.89         | -13              | -55.89                  | -76.32                  | -69.77                   | 1.16                       | 4.19                        | V                     |
|                                                 | 2796                 | -58.99         | -13              | -45.99                  | -76.96                  | -61.09                   | 1.38                       | 5.64                        | V                     |
| Middle                                          | 1406                 | -63.47         | -13              | -50.47                  | -73.18                  | -65.17                   | 0.87                       | 4.72                        | H                     |
|                                                 | 2108                 | -62.66         | -13              | -49.66                  | -76.26                  | -63.57                   | 1.17                       | 4.22                        | H                     |
|                                                 | 2810                 | -60.23         | -13              | -47.23                  | -76.97                  | -62.34                   | 1.39                       | 5.65                        | H                     |
|                                                 | 1406                 | -63.22         | -13              | -50.22                  | -72.99                  | -64.92                   | 0.87                       | 4.72                        | V                     |
|                                                 | 2108                 | -60.94         | -13              | -47.94                  | -76.30                  | -61.85                   | 1.17                       | 4.22                        | V                     |
|                                                 | 2810                 | -58.98         | -13              | -45.98                  | -76.74                  | -61.09                   | 1.39                       | 5.65                        | V                     |
| Highest                                         | 1416                 | -64.66         | -13              | -51.66                  | -74.65                  | -66.41                   | 0.87                       | 4.78                        | H                     |
|                                                 | 2118                 | -62.29         | -13              | -49.29                  | -76.15                  | -63.22                   | 1.17                       | 4.25                        | H                     |
|                                                 | 2824                 | -60.89         | -13              | -47.89                  | -76.60                  | -63.01                   | 1.39                       | 5.66                        | H                     |
|                                                 | 1416                 | -64.34         | -13              | -51.34                  | -74.47                  | -66.09                   | 0.87                       | 4.78                        | V                     |
|                                                 | 2118                 | -61.09         | -13              | -48.09                  | -76.29                  | -62.02                   | 1.17                       | 4.25                        | V                     |
|                                                 | 2824                 | -58.97         | -13              | -45.97                  | -76.80                  | -61.09                   | 1.39                       | 5.66                        | V                     |

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



| LTE Band 17 / 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) |
| Lowest                                         | 1408                 | -64.37         | -13              | -51.37                  | -74.21                  | -66.08                   | 0.87                       | 4.73                        | H                     |
|                                                | 2112                 | -62.76         | -13              | -49.76                  | -76.50                  | -63.68                   | 1.17                       | 4.24                        | H                     |
|                                                | 2816                 | -60.27         | -13              | -47.27                  | -77.03                  | -62.38                   | 1.39                       | 5.65                        | H                     |
|                                                | 1408                 | -64.56         | -13              | -51.56                  | -74.53                  | -66.27                   | 0.87                       | 4.73                        | V                     |
|                                                | 2112                 | -61.24         | -13              | -48.24                  | -76.65                  | -62.16                   | 1.17                       | 4.24                        | V                     |
|                                                | 2816                 | -58.56         | -13              | -45.56                  | -76.50                  | -60.67                   | 1.39                       | 5.65                        | V                     |
| Middle                                         | 1415                 | -64.97         | -13              | -51.97                  | -74.86                  | -66.72                   | 0.87                       | 4.77                        | H                     |
|                                                | 2123                 | -62.59         | -13              | -49.59                  | -76.34                  | -63.54                   | 1.17                       | 4.27                        | H                     |
|                                                | 2830                 | -60.49         | -13              | -47.49                  | -77.26                  | -62.61                   | 1.39                       | 5.66                        | H                     |
|                                                | 1415                 | -64.56         | -13              | -51.56                  | -74.46                  | -66.31                   | 0.87                       | 4.77                        | V                     |
|                                                | 2123                 | -61.03         | -13              | -48.03                  | -76.50                  | -61.98                   | 1.17                       | 4.27                        | V                     |
|                                                | 2830                 | -59.22         | -13              | -46.22                  | -77.19                  | -61.34                   | 1.39                       | 5.66                        | V                     |
| Highest                                        | 1422                 | -64.13         | -13              | -51.13                  | -74.02                  | -65.92                   | 0.88                       | 4.82                        | H                     |
|                                                | 2133                 | -61.09         | -13              | -48.09                  | -74.86                  | -62.06                   | 1.18                       | 4.30                        | H                     |
|                                                | 2844                 | -60.56         | -13              | -47.56                  | -77.37                  | -62.69                   | 1.40                       | 5.68                        | H                     |
|                                                | 1422                 | -64.48         | -13              | -51.48                  | -74.36                  | -66.27                   | 0.88                       | 4.82                        | V                     |
|                                                | 2133                 | -60.91         | -13              | -47.91                  | -76.37                  | -61.88                   | 1.18                       | 4.30                        | V                     |
|                                                | 2844                 | -59.18         | -13              | -46.18                  | -77.23                  | -61.31                   | 1.40                       | 5.68                        | V                     |

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



| LTE Band 17 / 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) |
| Lowest                                          | 1408                 | -64.78         | -13              | -51.78                  | -74.58                  | -66.49                   | 0.87                       | 4.73                        | H                     |
|                                                 | 2112                 | -62.97         | -13              | -49.97                  | -76.75                  | -63.89                   | 1.17                       | 4.24                        | H                     |
|                                                 | 2816                 | -60.71         | -13              | -47.71                  | -77.40                  | -62.82                   | 1.39                       | 5.65                        | H                     |
|                                                 | 1408                 | -64.87         | -13              | -51.87                  | -74.78                  | -66.58                   | 0.87                       | 4.73                        | V                     |
|                                                 | 2112                 | -61.24         | -13              | -48.24                  | -76.64                  | -62.16                   | 1.17                       | 4.24                        | V                     |
|                                                 | 2816                 | -58.96         | -13              | -45.96                  | -76.84                  | -61.07                   | 1.39                       | 5.65                        | V                     |
| Middle                                          | 1410                 | -64.99         | -13              | -51.99                  | -74.82                  | -66.71                   | 0.87                       | 4.74                        | H                     |
|                                                 | 2115                 | -62.67         | -13              | -49.67                  | -76.40                  | -63.59                   | 1.17                       | 4.25                        | H                     |
|                                                 | 3528                 | -58.84         | -13              | -45.84                  | -76.65                  | -63.11                   | 1.61                       | 8.03                        | H                     |
|                                                 | 1410                 | -64.81         | -13              | -51.81                  | -74.67                  | -66.53                   | 0.87                       | 4.74                        | V                     |
|                                                 | 2115                 | -61.12         | -13              | -48.12                  | -76.51                  | -62.04                   | 1.17                       | 4.25                        | V                     |
|                                                 | 3528                 | -57.76         | -13              | -44.76                  | -76.83                  | -62.03                   | 1.61                       | 8.03                        | V                     |
| Highest                                         | 1412                 | -65.24         | -13              | -52.24                  | -75.10                  | -66.97                   | 0.87                       | 4.75                        | H                     |
|                                                 | 2118                 | -62.78         | -13              | -49.78                  | -76.43                  | -63.71                   | 1.17                       | 4.25                        | H                     |
|                                                 | 3536                 | -59.23         | -13              | -46.23                  | -77.04                  | -63.51                   | 1.62                       | 8.04                        | H                     |
|                                                 | 1412                 | -64.89         | -13              | -51.89                  | -74.79                  | -66.62                   | 0.87                       | 4.75                        | V                     |
|                                                 | 2118                 | -61.21         | -13              | -48.21                  | -76.62                  | -62.14                   | 1.17                       | 4.25                        | V                     |
|                                                 | 3536                 | -57.48         | -13              | -44.48                  | -76.60                  | -61.76                   | 1.62                       | 8.04                        | V                     |

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





| LTE Band 41 / 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) |
| Lowest                                         | 4992                 | -56.53          | -25              | -31.53                  | -79.79                  | -63.88                   | 2.33                       | 9.68                        | H                     |
|                                                | 7488                 | -53.55          | -25              | -28.55                  | -80.17                  | -62.89                   | 2.43                       | 11.78                       | H                     |
|                                                | 9984                 | -53.07          | -25              | -28.07                  | -80.86                  | -62.59                   | 2.69                       | 12.21                       | H                     |
|                                                | 4992                 | -55.53          | -25              | -30.53                  | -79.88                  | -62.88                   | 2.33                       | 9.68                        | V                     |
|                                                | 7488                 | -51.92          | -25              | -26.92                  | -80.34                  | -61.26                   | 2.43                       | 11.78                       | V                     |
|                                                | 9984                 | -50.41          | -25              | -25.41                  | -80.78                  | -59.93                   | 2.69                       | 12.21                       | V                     |
| Middle                                         | 5181                 | -56.23          | -25              | -31.23                  | -79.65                  | -63.49                   | 2.44                       | 9.70                        | H                     |
|                                                | 7772                 | -52.44          | -25              | -27.44                  | -79.83                  | -62.06                   | 2.34                       | 11.96                       | H                     |
|                                                | 10362                | -52.37          | -25              | -27.37                  | -81.25                  | -62.02                   | 2.69                       | 12.34                       | H                     |
|                                                | 5181                 | -55.13          | -25              | -30.13                  | -79.73                  | -62.39                   | 2.44                       | 9.70                        | V                     |
|                                                | 7772                 | -51.31          | -25              | -26.31                  | -79.9                   | -60.93                   | 2.34                       | 11.96                       | V                     |
|                                                | 10362                | -49.57          | -25              | -24.57                  | -81.21                  | -59.22                   | 2.69                       | 12.34                       | V                     |
| Highest                                        | 5370                 | -55.51          | -25              | -30.51                  | -79.83                  | -62.66                   | 2.55                       | 9.70                        | H                     |
|                                                | 8055                 | -52.66          | -25              | -27.66                  | -79.99                  | -62.52                   | 2.28                       | 12.14                       | H                     |
|                                                | 10740                | -51.57          | -25              | -26.57                  | -81.57                  | -61.33                   | 2.69                       | 12.45                       | H                     |
|                                                | 5370                 | -54.73          | -25              | -29.73                  | -79.75                  | -61.88                   | 2.55                       | 9.70                        | V                     |
|                                                | 8055                 | -50.66          | -25              | -25.66                  | -79.92                  | -60.52                   | 2.28                       | 12.14                       | V                     |
|                                                | 10740                | -48.63          | -25              | -23.63                  | -81.41                  | -58.39                   | 2.69                       | 12.45                       | V                     |

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



| LTE Band 41 / 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) |
| Lowest                                          | 4992                 | -56.67          | -25              | -31.67                  | -80.03                  | -64.02                   | 2.33                       | 9.68                        | H                     |
|                                                 | 7488                 | -53.69          | -25              | -28.69                  | -80.28                  | -63.03                   | 2.43                       | 11.78                       | H                     |
|                                                 | 9984                 | -53.17          | -25              | -28.17                  | -80.85                  | -62.69                   | 2.69                       | 12.21                       | H                     |
|                                                 | 4992                 | -55.67          | -25              | -30.67                  | -79.95                  | -63.02                   | 2.33                       | 9.68                        | V                     |
|                                                 | 7488                 | -51.87          | -25              | -26.87                  | -80.35                  | -61.21                   | 2.43                       | 11.78                       | V                     |
|                                                 | 9984                 | -50.54          | -25              | -25.54                  | -80.79                  | -60.06                   | 2.69                       | 12.21                       | V                     |
| Middle                                          | 5176                 | -56.21          | -25              | -31.21                  | -79.73                  | -63.47                   | 2.44                       | 9.70                        | H                     |
|                                                 | 7764                 | -52.61          | -25              | -27.61                  | -80.07                  | -62.22                   | 2.34                       | 11.96                       | H                     |
|                                                 | 10352                | -52.04          | -25              | -27.04                  | -81.15                  | -61.69                   | 2.69                       | 12.34                       | H                     |
|                                                 | 5176                 | -55.17          | -25              | -30.17                  | -79.68                  | -62.43                   | 2.44                       | 9.70                        | V                     |
|                                                 | 7764                 | -51.41          | -25              | -26.41                  | -80.04                  | -61.02                   | 2.34                       | 11.96                       | V                     |
|                                                 | 10352                | -49.57          | -25              | -24.57                  | -81.2                   | -59.22                   | 2.69                       | 12.34                       | V                     |
| Highest                                         | 5360                 | -55.23          | -25              | -30.23                  | -79.71                  | -62.39                   | 2.54                       | 9.70                        | H                     |
|                                                 | 8040                 | -52.83          | -25              | -27.83                  | -80.21                  | -62.69                   | 2.28                       | 12.13                       | H                     |
|                                                 | 10720                | -51.17          | -25              | -26.17                  | -81.18                  | -60.92                   | 2.69                       | 12.44                       | H                     |
|                                                 | 5360                 | -54.52          | -25              | -29.52                  | -79.71                  | -61.68                   | 2.54                       | 9.70                        | V                     |
|                                                 | 8040                 | -51.03          | -25              | -26.03                  | -80.28                  | -60.89                   | 2.28                       | 12.13                       | V                     |
|                                                 | 10720                | -48.64          | -25              | -23.64                  | -81.36                  | -58.39                   | 2.69                       | 12.44                       | V                     |

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



| LTE Band 41 / 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) |
| Lowest                                          | 4992                 | -56.41          | -25              | -31.41                  | -79.81                  | -63.76                   | 2.33                       | 9.68                        | H                     |
|                                                 | 7488                 | -53.69          | -25              | -28.69                  | -80.36                  | -63.03                   | 2.43                       | 11.78                       | H                     |
|                                                 | 9984                 | -52.84          | -25              | -27.84                  | -80.73                  | -62.36                   | 2.69                       | 12.21                       | H                     |
|                                                 | 4992                 | -55.67          | -25              | -30.67                  | -79.93                  | -63.02                   | 2.33                       | 9.68                        | V                     |
|                                                 | 7488                 | -51.87          | -25              | -26.87                  | -80.2                   | -61.21                   | 2.43                       | 11.78                       | V                     |
|                                                 | 9984                 | -50.53          | -25              | -25.53                  | -80.8                   | -60.05                   | 2.69                       | 12.21                       | V                     |
| Middle                                          | 5171                 | -56.25          | -25              | -31.25                  | -79.65                  | -63.51                   | 2.44                       | 9.70                        | H                     |
|                                                 | 7757                 | -52.45          | -25              | -27.45                  | -79.76                  | -62.06                   | 2.35                       | 11.95                       | H                     |
|                                                 | 10342                | -51.25          | -25              | -26.25                  | -81.12                  | -60.89                   | 2.69                       | 12.34                       | H                     |
|                                                 | 5171                 | -55.17          | -25              | -30.17                  | -79.66                  | -62.43                   | 2.44                       | 9.70                        | V                     |
|                                                 | 7757                 | -50.91          | -25              | -25.91                  | -79.77                  | -60.52                   | 2.35                       | 11.95                       | V                     |
|                                                 | 10342                | -49.57          | -25              | -24.57                  | -81.22                  | -59.21                   | 2.69                       | 12.34                       | V                     |
| Highest                                         | 5350                 | -55.23          | -25              | -30.23                  | -79.65                  | -62.39                   | 2.54                       | 9.70                        | H                     |
|                                                 | 8025                 | -52.17          | -25              | -27.17                  | -80.46                  | -62.02                   | 2.27                       | 12.12                       | H                     |
|                                                 | 10700                | -50.94          | -25              | -25.94                  | -80.96                  | -60.69                   | 2.69                       | 12.44                       | H                     |
|                                                 | 5350                 | -54.72          | -25              | -29.72                  | -79.82                  | -61.88                   | 2.54                       | 9.70                        | V                     |
|                                                 | 8025                 | -50.17          | -25              | -25.17                  | -80.44                  | -60.02                   | 2.27                       | 12.12                       | V                     |
|                                                 | 10700                | -48.58          | -25              | -23.58                  | -81.08                  | -58.33                   | 2.69                       | 12.44                       | V                     |

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



| LTE Band 41 / 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) |
| Lowest                                          | 4992                 | -56.53          | -25              | -31.53                  | -79.86                  | -63.88                   | 2.33                       | 9.68                        | H                     |
|                                                 | 7488                 | -53.68          | -25              | -28.68                  | -80.32                  | -63.02                   | 2.43                       | 11.78                       | H                     |
|                                                 | 9984                 | -52.97          | -25              | -27.97                  | -80.81                  | -62.49                   | 2.69                       | 12.21                       | H                     |
|                                                 | 4992                 | -55.42          | -25              | -30.42                  | -79.82                  | -62.77                   | 2.33                       | 9.68                        | V                     |
|                                                 | 7488                 | -52.02          | -25              | -27.02                  | -80.36                  | -61.36                   | 2.43                       | 11.78                       | V                     |
|                                                 | 9984                 | -50.59          | -25              | -25.59                  | -80.89                  | -60.11                   | 2.69                       | 12.21                       | V                     |
| Middle                                          | 5166                 | -56.39          | -25              | -31.39                  | -79.64                  | -63.66                   | 2.43                       | 9.70                        | H                     |
|                                                 | 7749                 | -52.27          | -25              | -27.27                  | -79.7                   | -61.87                   | 2.35                       | 11.95                       | H                     |
|                                                 | 10332                | -51.98          | -25              | -26.98                  | -81.01                  | -61.62                   | 2.69                       | 12.33                       | H                     |
|                                                 | 5166                 | -55.16          | -25              | -30.16                  | -79.72                  | -62.43                   | 2.43                       | 9.70                        | V                     |
|                                                 | 7749                 | -50.84          | -25              | -25.84                  | -79.8                   | -60.44                   | 2.35                       | 11.95                       | V                     |
|                                                 | 10332                | -49.39          | -25              | -24.39                  | -81.03                  | -59.03                   | 2.69                       | 12.33                       | V                     |
| Highest                                         | 5340                 | -55.19          | -25              | -30.19                  | -79.61                  | -62.36                   | 2.53                       | 9.70                        | H                     |
|                                                 | 8010                 | -52.04          | -25              | -27.04                  | -80.65                  | -61.88                   | 2.27                       | 12.11                       | H                     |
|                                                 | 10680                | -50.58          | -25              | -25.58                  | -80.64                  | -60.33                   | 2.69                       | 12.44                       | H                     |
|                                                 | 5340                 | -54.86          | -25              | -29.86                  | -79.75                  | -62.03                   | 2.53                       | 9.70                        | V                     |
|                                                 | 8010                 | -51.18          | -25              | -26.18                  | -80.65                  | -61.02                   | 2.27                       | 12.11                       | V                     |
|                                                 | 10680                | -48.31          | -25              | -23.31                  | -80.76                  | -58.06                   | 2.69                       | 12.44                       | V                     |

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