



# Radio Test Report

Report No.:STS2507194W09

Issued for

Shenzhen Hao Mai Tongda Technology Co., LTD  
Room703,Building F, Qihang R&D Industrial Park,  
No.1008,Songbai Road, Sunshine Community, Xili Street,  
Nanshan District, Shenzhen, China

Product Name: Rugged Smart Phone

Brand Name: HAMTOD

Model Name: H6

Series Model(s): H8, H9, H10, H11

FCC ID: 2BF7A-H6

Test Standards: 47 CFR Part 2, 22, 24, 27, 90

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

**Applicant's Name** .....: Shenzhen Hao Mai Tongda Technology Co., LTD  
Room703,Building F, Qihang R&D Industrial Park,  
**Address**.....: No.1008,Songbai Road, Sunshine Community, Xili Street,  
Nanshan District, Shenzhen, China  
**Manufacturer's Name** .....: Shenzhen Hao Mai Tongda Technology Co., LTD  
Room703,Building F, Qihang R&D Industrial Park,  
**Address**.....: No.1008,Songbai Road, Sunshine Community, Xili Street,  
Nanshan District, Shenzhen, China

**Product Description**

**Product Name** .....: Rugged Smart Phone  
**Brand Name** .....: HAMTOD  
**Model Name** .....: H6  
**Series Model(s)** .....: H8, H9, H10, H11  
**Test Standards**.....: 47 CFR Part 2, 22, 24, 27, 90  
**Test Procedure** .....: KDB 971168 D01 v03r01,ANSI C63.26( 2015)

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.  
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**Date of Test**.....:

**Date of receipt of test item** .....: 30 July 2025  
**Date (s) of performance of tests** : 30 July 2025~20 Aug. 2025  
**Date of Issue** .....: 20 Aug. 2025  
**Test Result** .....: Pass

Testing Engineer :

(Lenon Hou)

Technical Manager :

(Skylar Li)

Authorized Signatory :

(Bovey Yang)





| Table of Contents                                     | Page       |
|-------------------------------------------------------|------------|
| <b>1 SUMMARY OF TEST RESULTS</b>                      | <b>5</b>   |
| 1.1 INTRODUCTION                                      | 7          |
| <b>2 PRODUCT INFORMATION</b>                          | <b>8</b>   |
| <b>3 TEST CONFIGURATION OF EQUIPMENT UNDER TEST</b>   | <b>12</b>  |
| <b>4 MEASUREMENT INSTRUMENTS</b>                      | <b>15</b>  |
| <b>5 TEST ITEMS</b>                                   | <b>16</b>  |
| 5.1 CONDUCTED OUTPUT POWER&TRANSMITTER RADIATED POWER | 16         |
| 5.2 PEAK TO AVERAGE RATIO                             | 49         |
| 5.3 OCCUPIED BANDWIDTH                                | 50         |
| 5.4 FREQUENCY STABILITY                               | 51         |
| 5.5 SPURIOUS EMISSIONS AT ANTENNA TERMINALS           | 60         |
| 5.6 BAND EDGE                                         | 61         |
| 5.7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT  | 63         |
| <b>APPENDIX-PHOTOS OF TEST SETUP</b>                  | <b>103</b> |

**Revision History**

| Rev. | Issue Date   | Report No.    | Effect Page | Contents      |
|------|--------------|---------------|-------------|---------------|
| 00   | 20 Aug. 2025 | STS2507194W09 | ALL         | Initial Issue |
|      |              |               |             |               |



## 1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

The radiated emission testing was performed according to the procedures of KDB 971168 D01 v03r01 and ANSI C63.26( 2015)

| Test Description                       | FCC Rules | Band              | Test Limit               | Test Result |
|----------------------------------------|-----------|-------------------|--------------------------|-------------|
| Conducted Output Power                 | 2.1046    | /                 | Reporting Only           | PASS        |
| Transmitter Radiated Power             | 22.913    | B5                | ERP < 7 Watt             | PASS        |
|                                        | 24.232(c) | B2                | EIRP < 2Watt             |             |
|                                        | 27.50(c)  | B12, B17          | ERP < 3 Watt             |             |
|                                        | 27.50(d)  | B4, B66           | EIRP < 1Watt             |             |
|                                        | 27.50(h)  | B7                | EIRP < 2Watt             |             |
| Peak-to-Average Ratio                  | 22.913(d) | B5                | < 13 dB                  | PASS        |
|                                        | 24.232(d) | B2                |                          |             |
|                                        | 27.50     | B4, B12, B17, B66 |                          |             |
| Occupied Bandwidth                     | 2.1049    | /                 | Reporting Only           | PASS        |
| Frequency Stability                    | 2.1055    | /                 | < 2.5 ppm                | PASS        |
|                                        | 22.355    | B5                |                          |             |
|                                        | 24.235    | B2                |                          |             |
|                                        | 27.54     | B4, B12, B17, B66 |                          |             |
| Spurious Emission at Antenna Terminals | 2.1051    | /                 | < 43+10log10(P[Watts])   | PASS        |
|                                        | 22.917    | B5                |                          |             |
|                                        | 24.238(a) | B2                |                          |             |
|                                        | 27.53(g)  | B12, B17          |                          |             |
|                                        | 27.53(h)  | B4, B66           |                          |             |
| Band Edge                              | 2.1051    | /                 | Please refer to standard | PASS        |



|                                         |           |          |                        |      |
|-----------------------------------------|-----------|----------|------------------------|------|
|                                         | 22.917    | B5       |                        |      |
|                                         | 24.238(a) | B2       |                        |      |
|                                         | 27.53(g)  | B12, B17 |                        |      |
|                                         | 27.53(h)  | B4, B66  |                        |      |
| Field Strength of<br>Spurious Radiation | 2.1053    | /        | < 43+10log10(P[Watts]) | PASS |
|                                         | 22.917    | B5       |                        |      |
|                                         | 24.238(a) | B2       |                        |      |
|                                         | 27.53(g)  | B12, B17 |                        |      |
|                                         | 27.53(h)  | B4, B66  |                        |      |



## 1.1 INTRODUCTION

### TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

### MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of  $k = 2$  to indicate a 95% level of confidence. The measurement data shown herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

| No. | Item                              | Uncertainty          |
|-----|-----------------------------------|----------------------|
| 1   | RF output power, conducted        | $\pm 0.755\text{dB}$ |
| 2   | Unwanted Emissions, conducted     | $\pm 2.874\text{dB}$ |
| 3   | All emissions, radiated 9K-30MHz  | $\pm 3.80\text{dB}$  |
| 4   | All emissions, radiated 30M-1GHz  | $\pm 4.18\text{dB}$  |
| 5   | All emissions, radiated 1G-6GHz   | $\pm 4.90\text{dB}$  |
| 6   | All emissions, radiated >6G       | $\pm 5.24\text{dB}$  |
| 7   | Conducted Emission (9KHz-150KHz)  | $\pm 2.19\text{dB}$  |
| 8   | Conducted Emission (150KHz-30MHz) | $\pm 2.53\text{dB}$  |
| 9   | Occupied Channel Bandwidth        | $\pm 3.5\%$          |
| 10  | Power Spectral Density, conducted | $\pm 1.245\text{dB}$ |
| 11  | Duty Cycle                        | $\pm 3.2\%$          |

**2 PRODUCT INFORMATION**

|                             |                                                                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                | Rugged Smart Phone                                                                                                                                                                                                                                                                            |
| Brand Name                  | HAMTOD                                                                                                                                                                                                                                                                                        |
| Model Name                  | H6                                                                                                                                                                                                                                                                                            |
| Series Model(s)             | H8, H9, H10, H11                                                                                                                                                                                                                                                                              |
| Model Difference            | In terms of electronics, they are exactly the same, except for some differences in appearance.                                                                                                                                                                                                |
| Tx Frequency:               | GSM850: 824-849 MHz<br>GSM1900: 1850-1910 MHz<br>WCDMA B2: 1850-1910 MHz<br>WCDMA B5: 824-849 MHz<br>WCDMA B4: 1710-1755 MHz<br>LTE Band 2:1850~1910MHz<br>LTE Band 4:1710~1755MHz<br>LTE Band 5:824~849MHz<br>LTE Band 12:699~716MHz<br>LTE Band 17: 704-716 MHz<br>LTE Band 66:1710~1780MHz |
| Rx Frequency:               | GSM850: 869-894 MHz<br>GSM1900: 1930-1990 MHz<br>WCDMA B2: 1930-1990 MHz<br>WCDMA B5: 869-894 MHz<br>WCDMA B4: 2110-2155 MHz<br>LTE Band 2:1930 ~1990MHz<br>LTE Band 4:2110~2155MHz<br>LTE Band 5:869~894MHz<br>LTE Band 17: 734-746 MHz<br>LTE Band 66:2110~2200MHz                          |
| Max RF Output Power:        | GSM850: 30.34dBm<br>PCS1900: 30.9dBm<br>WCDMA B2: 22.18dBm<br>WCDMA B5: 22.78dBm<br>LTE B2: 23.07dBm<br>LTE B4: 23.26dBm<br>LTE B5: 23.6dBm<br>LTE B12: 23.76dBm<br>LTE B17: 23.75dBm<br>LTE B66: 23.3dBm                                                                                     |
| Modulation Characteristics: | GMSK for GSM/GPRS<br>WCDMA: QPSK; HSDPA:QPSK/16QAM; HSUPA:BPSK<br>LTE: QPSK /16QAM                                                                                                                                                                                                            |
| SIM Card:                   | SIM 1 and SIM 2 is a chipset unit and tested as single chipset, SIM 1 is used to tested.                                                                                                                                                                                                      |
| Antenna:                    | FPC                                                                                                                                                                                                                                                                                           |
| Antenna gain:               | GSM850: -0.71 dBi<br>PCS1900: 0.81 dBi<br>WCDMA B2: 0.81 dBi<br>WCDMA B5: -0.71 dBi<br>LTE B2: 0.81 dBi<br>LTE B4: 0.76 dBi<br>LTE B5: -0.71 dBi<br>LTE B12: -1.18 dBi                                                                                                                        |



|                                                                                                                                                                                                                                                                                                   |                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                   | LTE B17:-1.18 dBi<br>LTE B66: 0.67 dBi                                                               |
| GPRS/EDGE Class:                                                                                                                                                                                                                                                                                  | Multi-Class12                                                                                        |
| Extreme Vol. Limits:                                                                                                                                                                                                                                                                              | DC 3.33V ~ DC 4.07V (Normal: DC 3.7V)                                                                |
| Extreme Temp. Tolerance:                                                                                                                                                                                                                                                                          | -10℃~40℃                                                                                             |
| Power Rating                                                                                                                                                                                                                                                                                      | Input: 100-240V 50/60Hz 0.3A<br>Output: DC 3.7V                                                      |
| Adapter                                                                                                                                                                                                                                                                                           | Model: G006A0501000C<br>Brand: N/A<br>Input: 100-240V 50/60Hz 0.3A<br>Output: 5.0V 1.0A              |
| Battery                                                                                                                                                                                                                                                                                           | Model: H6<br>Brand: HAMTOD<br>Rated Voltage: 3.7V<br>Charge Limit Voltage: 4.2V<br>Capacity: 3000mAh |
| Hardware version number:                                                                                                                                                                                                                                                                          | L116_BM_V1.0                                                                                         |
| Software version number:                                                                                                                                                                                                                                                                          | sp9832e_1h10_go2g-user-native                                                                        |
| <b>** Note: The High Voltage DC 4.07V and Low Voltage DC 3.33V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage, the antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.</b> |                                                                                                      |

EMISSION DESIGNATOR

| Mode        | Emission Designator (99%OBW) |
|-------------|------------------------------|
| GSM850      | 242KGXW                      |
| GPRS850     | 250KGXW                      |
| GSM1900     | 244KGXW                      |
| GPRS1900    | 249KGXW                      |
| Mode        | Emission Designator (99%OBW) |
| WCDMA Band2 | 4M19F9W                      |
| HSDPA Band2 | 4M16F9W                      |
| HSUPA Band2 | 4M16F9W                      |
| WCDMA Band5 | 4M17F9W                      |
| HSDPA Band5 | 4M16F9W                      |
| HSUPA Band5 | 4M17F9W                      |



|             |                     |                     |
|-------------|---------------------|---------------------|
| LTE Band 2  | Emission Designator | Emission Designator |
| BW(MHz)     | (99%OBW)QPSK        | (99%OBW)16QAM       |
| 1.4         | 1M10G7D             | 1M11W7D             |
| 3           | 2M71G7D             | 2M72W7D             |
| 5           | 4M53G7D             | 4M54W7D             |
| 10          | 9M01G7D             | 9M01W7D             |
| 15          | 13M5G7D             | 13M5W7D             |
| 20          | 18M0G7D             | 18M1W7D             |
| LTE Band 4  | Emission Designator | Emission Designator |
| BW(MHz)     | (99%OBW)QPSK        | (99%OBW)16QAM       |
| 1.4         | 1M11G7D             | 1M10W7D             |
| 3           | 2M72G7D             | 2M71W7D             |
| 5           | 4M53G7D             | 4M52W7D             |
| 10          | 9M02G7D             | 9M01W7D             |
| 15          | 13M5G7D             | 13M5W7D             |
| 20          | 18M0G7D             | 18M0W7D             |
| LTE Band 5  | Emission Designator | Emission Designator |
| BW(MHz)     | (99%OBW)QPSK        | (99%OBW)16QAM       |
| 1.4         | 1M10G7D             | 1M10W7D             |
| 3           | 2M72G7D             | 2M71W7D             |
| 5           | 4M52G7D             | 4M53W7D             |
| 10          | 9M00G7D             | 9M01W7D             |
| LTE Band 12 | Emission Designator | Emission Designator |
| BW(MHz)     | (99%OBW)QPSK        | (99%OBW)16QAM       |
| 1.4         | 1M10G7D             | 1M10W7D             |
| 3           | 2M72G7D             | 2M72W7D             |
| 5           | 4M52G7D             | 4M54W7D             |
| 10          | 8M99G7D             | 9M02W7D             |
| LTE Band 17 | Emission Designator | Emission Designator |
| BW(MHz)     | (99%OBW)QPSK        | (99%OBW)16QAM       |
| 5           | 4M53G7D             | 4M52W7D             |
| 10          | 8M97G7D             | 9M01W7D             |
| LTE Band 66 | Emission Designator | Emission Designator |
| BW(MHz)     | (99%OBW)QPSK        | (99%OBW)16QAM       |
| 1.4         | 1M10G7D             | 1M10W7D             |
| 3           | 2M72G7D             | 2M71W7D             |
| 5           | 4M53G7D             | 4M51W7D             |
| 10          | 9M00G7D             | 9M01W7D             |
| 15          | 13M5G7D             | 13M5W7D             |
| 20          | 18M0G7D             | 18M1W7D             |



### 3 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 and ANSI C63.26 2015 Power Meas. License Digital Systems with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 10th harmonic for GSM850 and WCDMA Band V.
2. 30 MHz to 10th harmonic for WCDMA Band IV.
3. 30 MHz to 10th harmonic for GSM1900 and WCDMA Band II.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

| BAND          | TEST MODES                     |                                |
|---------------|--------------------------------|--------------------------------|
|               | RADIATED TCS                   | CONDUCTED TCS                  |
| GSM 850       | GSM LINK<br>GPRS CLASS 12 LINK | GSM LINK<br>GPRS CLASS 12 LINK |
| GSM 1900      | GSM LINK<br>GPRS CLASS 12 LINK | GSM LINK<br>GPRS CLASS 12 LINK |
| WCDMA BAND V  | RMC 12.2KBPS LINK              | RMC 12.2KBPS LINK              |
| WCDMA BAND II | RMC 12.2KBPS LINK              | RMC 12.2KBPS LINK              |
| WCDMA BAND IV | RMC 12.2KBPS LINK              | RMC 12.2KBPS LINK              |



LTE:

| ITEMS                       | Band | Bandwidth (MHz) |   |   |    |    |    | Modulation |       | RB # |      |      | Test Channel |   |   |
|-----------------------------|------|-----------------|---|---|----|----|----|------------|-------|------|------|------|--------------|---|---|
|                             |      | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 1    | Half | Full | L            | M | H |
| Max. Output Power           | 2    | v               | v | v | v  | v  | v  | v          | v     | v    | v    | v    | v            | v | v |
|                             | 4    | v               | v | v | v  | v  | v  | v          | v     | v    | v    | v    | v            | v | v |
|                             | 5    | v               | v | v | v  |    |    | v          | v     | v    | v    | v    | v            | v | v |
|                             | 12   | v               | v | v | v  |    |    | v          | v     | v    | v    | v    | v            | v | v |
|                             | 17   |                 |   | v | v  |    |    | v          | v     | v    | v    | v    | v            | v | v |
|                             | 66   | v               | v | v | v  | v  | v  | v          | v     | v    | v    | v    | v            | v | v |
| Peak&Avera Ratio            | 2    | v               | v | v | v  | v  | v  | v          | v     | v    |      |      | v            | v | v |
|                             | 4    | v               | v | v | v  | v  | v  | v          | v     | v    |      |      | v            | v | v |
|                             | 5    | v               | v | v | v  |    |    | v          | v     | v    |      |      | v            | v | v |
|                             | 12   | v               | v | v | v  |    |    | v          | v     | v    |      |      | v            | v | v |
|                             | 17   |                 |   | v | v  |    |    | v          | v     | v    |      |      | v            | v | v |
|                             | 66   | v               | v | v | v  | v  | v  | v          | v     | v    |      |      | v            | v | v |
| 26dB&99% Bandwidth          | 2    | v               | v | v | v  | v  | v  | v          | v     |      |      | v    | v            | v | v |
|                             | 4    | v               | v | v | v  | v  | v  | v          | v     |      |      | v    | v            | v | v |
|                             | 5    | v               | v | v | v  |    |    | v          | v     |      |      | v    | v            | v | v |
|                             | 12   | v               | v | v | v  |    |    | v          | v     |      |      | v    | v            | v | v |
|                             | 17   |                 |   | v | v  |    |    | v          | v     |      |      | v    | v            | v | v |
|                             | 66   | v               | v | v | v  | v  | v  | v          | v     |      |      | v    | v            | v | v |
| Conducted Band Edge         | 2    | v               | v | v | v  | v  | v  | v          | v     |      |      | v    | v            |   | v |
|                             | 4    | v               | v | v | v  | v  | v  | v          | v     |      |      | v    | v            |   | v |
|                             | 5    | v               | v | v | v  |    |    | v          | v     |      |      | v    | v            |   | v |
|                             | 12   | v               | v | v | v  |    |    | v          | v     |      |      | v    | v            |   | v |
|                             | 17   |                 |   | v | v  |    |    | v          | v     |      |      | v    | v            |   | v |
|                             | 66   | v               | v | v | v  | v  | v  | v          | v     |      |      | v    | v            |   | v |
| Conducted Spurious Emission | 2    | v               | v | v | v  | v  | v  | v          | v     | v    |      | v    | v            | v | v |
|                             | 4    | v               | v | v | v  | v  | v  | v          | v     | v    |      | v    | v            | v | v |
|                             | 5    | v               | v | v | v  |    |    | v          | v     | v    |      | v    | v            | v | v |
|                             | 12   | v               | v | v | v  |    |    | v          | v     | v    |      | v    | v            | v | v |
|                             | 17   |                 |   | v | v  |    |    | v          | v     | v    |      | v    | v            | v | v |
|                             | 66   | v               | v | v | v  | v  | v  | v          | v     | v    |      | v    | v            | v | v |
| Frequency Stability         | 2    |                 |   |   | v  |    |    | v          |       |      |      | v    |              | v |   |
|                             | 4    |                 |   |   | v  |    |    | v          |       |      |      | v    |              | v |   |
|                             | 5    |                 |   |   | v  |    |    | v          |       |      |      | v    |              | v |   |
|                             | 12   |                 |   |   | v  |    |    | v          |       |      |      | v    |              | v |   |
|                             | 17   |                 |   |   | v  |    |    | v          |       |      |      | v    |              | v |   |
|                             | 66   |                 |   |   | v  |    |    | v          |       |      |      | v    |              | v |   |
| E.R.P.& E.I.R.P.            | 2    | v               | v | v | v  | v  | v  | v          | v     | v    | v    | v    | v            | v | v |
|                             | 4    | v               | v | v | v  | v  | v  | v          | v     | v    | v    | v    | v            | v | v |
|                             | 5    | v               | v | v | v  |    |    | v          | v     | v    | v    | v    | v            | v | v |



|                                  |    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                                  | 12 | v | v | v | v |   |   | v | v | v | v | v | v | v | v |
|                                  | 17 |   |   | v | v |   |   | v | v | v | v | v | v | v | v |
|                                  | 66 | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| Radiated<br>Spurious<br>Emission | 2  | v | v | v | v | v | v | v |   | v |   |   | v | v | v |
|                                  | 4  | v | v | v | v | v | v | v |   | v |   |   | v | v | v |
|                                  | 5  | v | v | v | v |   |   | v |   | v |   |   | v | v | v |
|                                  | 12 | v | v | v | v |   |   | v |   | v |   |   | v | v | v |
|                                  | 17 |   |   | v | v |   |   | v |   | v |   |   | v | v | v |
|                                  | 66 | v | v | v | v | v | v | v |   | v |   |   | v | v | v |

**4 MEASUREMENT INSTRUMENTS**

| RF Radiation Test Equipment         |                   |                    |                 |                  |                  |
|-------------------------------------|-------------------|--------------------|-----------------|------------------|------------------|
| Kind of Equipment                   | Manufacturer      | Type No.           | Serial No.      | Last Calibration | Calibrated Until |
| Temperature & Humidity              | SW-108            | SuWei              | N/A             | 2025.02.24       | 2026.02.23       |
| Wireless Communications Test Set    | R&S               | CMW 500            | 117239          | 2024.09.23       | 2025.09.22       |
| Pre-Amplifier(0.1M-3GHz)            | EM                | EM330              | 060665          | 2025.02.22       | 2026.02.21       |
| Pre-Amplifier (1G-18GHz)            | SKET              | LNPA-01018G-45     | SK2018080901    | 2024.09.23       | 2025.09.22       |
| Pre-Amplifier(18G-40GHz)            | SKET              | LNPA 1840-50       | SK2018101801    | 2025.02.22       | 2026.02.21       |
| Positioning Controller              | MF                | MF-7802            | MF-780208587    | N/A              | N/A              |
| Signal Analyzer                     | R&S               | FSV 40-N           | 101823          | 2024.09.23       | 2025.09.22       |
| Switch Control Box                  | N/A               | N/A                | N/A             | N/A              | N/A              |
| Filter Box                          | BALUN Technology  | SU319E             | BL-SZ1530051    | N/A              | N/A              |
| Video Controller                    | SKET              | FCS C-3            | N/A             | N/A              | N/A              |
| Bilog Antenna                       | TESEQ             | CBL6111D           | 34678           | 2024.09.30       | 2025.09.29       |
| Horn Antenna                        | SCHWARZBECK       | BBHA 9120D         | 02014           | 2024.09.25       | 2025.09.24       |
| Horn Antenna                        | A-INFOMW          | LB-180400-KF       | J211020657      | 2023.10.10       | 2025.10.09       |
| Antenna Mast                        | MF                | MFA-440H           | N/A             | N/A              | N/A              |
| Turn Table                          | MF                | N/A                | N/A             | N/A              | N/A              |
| AC Power Source                     | APC               | KDF-11010G         | F214050035      | N/A              | N/A              |
| DC Power Supply                     | Zhaoxin           | RXN 605D           | 20R605D11010081 | N/A              | N/A              |
| Test SW                             | EMC Test Software | 15.2.0.339         |                 |                  |                  |
|                                     | EZ-EMC            | Ver.STSLAB-03A1 RE |                 |                  |                  |
| RF Connected Test Equipment         |                   |                    |                 |                  |                  |
| Kind of Equipment                   | Manufacturer      | Type No.           | Serial No.      | Last Calibration | Calibrated Until |
| Temperature & Humidity              | SW-108            | SuWei              | N/A             | 2025.02.24       | 2026.02.23       |
| Wireless Communications Test Set    | R&S               | CMW 500            | 131428          | 2025.02.22       | 2026.02.21       |
| Signal Analyzer                     | Agilent           | N9020A             | MY52440124      | 2025.02.22       | 2026.02.21       |
| RF Automatic Test System            | Maiwei            | MW200-SFCB         | N/A             | N/A              | N/A              |
| Temperature & Humidity Test Chamber | Safety test       | AG80L              | 171200018       | 2025.02.22       | 2026.02.21       |
| Programmable Power Supply           | Agilent           | E3642A             | MY40002025      | 2024.09.23       | 2025.09.22       |
| POWER DIVIDER                       | eastsheep         | PD-0.5/0.6-2S      | N/A             | 2025.02.25       | 2026.02.24       |
| Test SW                             | MTS 8200          | 2.0.0.0            |                 |                  |                  |

## 5 TEST ITEMS

### 5.1 CONDUCTED OUTPUT POWER&TRANSMITTER RADIATED POWER

#### TEST OVERVIEW

##### CONDUCTED OUTPUT POWER:

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

##### TRANSMITTER RADIATED POWER (EIRP/ERP)

Determining ERP and/or EIRP from conducted RF output power measurements according to ANSI C63.26 2015 Section 5.2.5.5.

In many cases, RF output power limits are specified in terms of the ERP or the EIRP. Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are defined as the product of the power supplied to the antenna and its gain (relative to a dipole antenna in the case of ERP, and relative to an isotropic antenna in the case of EIRP); however, when working in decibels (i.e., logarithmic scale), the ERP and EIRP represent the sum of the transmit antenna gain (in dBd or dBi, respectively) and the conducted RF output power (expressed in dB relative to watts or milliwatts). The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

(1)  $ERP \text{ or } EIRP = P_{Meas} + GT$

$ERP = EIRP - 2.15$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as  $P_{Meas}$ , e.g., dBm or dBW)

$P_{Meas}$  measured transmitter output power or PSD, in dBm or dBW

GT gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

For devices utilizing multiple antennas, see 6.4 for guidance with respect to determining the effective array transmit antenna gain term to be used in the above equation.

The following equations demonstrate the mathematical relationship between ERP and EIRP:

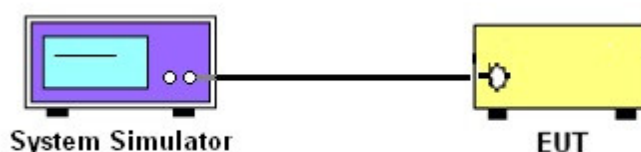
a)  $ERP = EIRP - 2.15$ , where ERP and EIRP are expressed in consistent units.

b)  $EIRP = ERP + 2.15$ , where ERP and EIRP are expressed in consistent units.

#### TEST PROCEDURES

1. The transmitter output port was connected to the system simulator.
2. Set eut at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

#### TEST SETUP



TEST RESULT

| GSM 850            |                 |                           |                |           |               |                 |            |
|--------------------|-----------------|---------------------------|----------------|-----------|---------------|-----------------|------------|
| Mode               | Frequency (MHz) | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit (W) | ERP Limit (dBm) | Conclusion |
| GSM (GMSK,1-Slot)  | 824.2           | 33.2                      | -0.71          | 30.34     | 7.00          | 38.45           | PASS       |
|                    | 836.6           | 33.14                     | -0.71          | 30.28     | 7.00          | 38.45           | PASS       |
|                    | 848.8           | 33.19                     | -0.71          | 30.33     | 7.00          | 38.45           | PASS       |
| GPRS (GMSK,1-Slot) | 824.2           | 33.12                     | -0.71          | 30.26     | 7.00          | 38.45           | PASS       |
|                    | 836.6           | 33.07                     | -0.71          | 30.21     | 7.00          | 38.45           | PASS       |
|                    | 848.8           | 33.02                     | -0.71          | 30.16     | 7.00          | 38.45           | PASS       |
| GPRS (GMSK,2-Slot) | 824.2           | 31.00                     | -0.71          | 28.14     | 7.00          | 38.45           | PASS       |
|                    | 836.6           | 30.99                     | -0.71          | 28.13     | 7.00          | 38.45           | PASS       |
|                    | 848.8           | 31.13                     | -0.71          | 28.27     | 7.00          | 38.45           | PASS       |
| GPRS (GMSK,3-Slot) | 824.2           | 29.11                     | -0.71          | 26.25     | 7.00          | 38.45           | PASS       |
|                    | 836.6           | 29.12                     | -0.71          | 26.26     | 7.00          | 38.45           | PASS       |
|                    | 848.8           | 29.26                     | -0.71          | 26.40     | 7.00          | 38.45           | PASS       |
| GPRS (GMSK,4-Slot) | 824.2           | 26.98                     | -0.71          | 24.12     | 7.00          | 38.45           | PASS       |
|                    | 836.6           | 27.01                     | -0.71          | 24.15     | 7.00          | 38.45           | PASS       |
|                    | 848.8           | 27.19                     | -0.71          | 24.33     | 7.00          | 38.45           | PASS       |
|                    | 848.8           | 19.82                     | -0.71          | 16.96     | 7.00          | 38.45           | PASS       |



| PCS 1900           |                 |                           |                |            |                |                  |            |
|--------------------|-----------------|---------------------------|----------------|------------|----------------|------------------|------------|
| Mode               | Frequency (MHz) | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit (W) | EIRP Limit (dBm) | Conclusion |
| GSM (GMSK,1-Slot)  | 1850.2          | 29.76                     | 0.81           | 30.57      | 2.00           | 33.01            | PASS       |
|                    | 1880.0          | 30.09                     | 0.81           | 30.90      | 2.00           | 33.01            | PASS       |
|                    | 1909.8          | 30.01                     | 0.81           | 30.82      | 2.00           | 33.01            | PASS       |
| GPRS (GMSK,1-Slot) | 1850.2          | 29.77                     | 0.81           | 30.58      | 2.00           | 33.01            | PASS       |
|                    | 1880.0          | 30.08                     | 0.81           | 30.89      | 2.00           | 33.01            | PASS       |
|                    | 1909.8          | 29.96                     | 0.81           | 30.77      | 2.00           | 33.01            | PASS       |
| GPRS (GMSK,2-Slot) | 1850.2          | 27.76                     | 0.81           | 28.57      | 2.00           | 33.01            | PASS       |
|                    | 1880.0          | 27.80                     | 0.81           | 28.61      | 2.00           | 33.01            | PASS       |
|                    | 1909.8          | 27.39                     | 0.81           | 28.20      | 2.00           | 33.01            | PASS       |
| GPRS (GMSK,3-Slot) | 1850.2          | 26.18                     | 0.81           | 26.99      | 2.00           | 33.01            | PASS       |
|                    | 1880.0          | 26.22                     | 0.81           | 27.03      | 2.00           | 33.01            | PASS       |
|                    | 1909.8          | 25.88                     | 0.81           | 26.69      | 2.00           | 33.01            | PASS       |
| GPRS (GMSK,4-Slot) | 1850.2          | 24.14                     | 0.81           | 24.95      | 2.00           | 33.01            | PASS       |
|                    | 1880.0          | 24.20                     | 0.81           | 25.01      | 2.00           | 33.01            | PASS       |
|                    | 1909.8          | 23.86                     | 0.81           | 24.67      | 2.00           | 33.01            | PASS       |



| Radiated Power (EIRP) for WCDMA Band 2 |                 |                           |                |            |               |                  |            |
|----------------------------------------|-----------------|---------------------------|----------------|------------|---------------|------------------|------------|
| Mode                                   | Frequency (MHz) | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit (dBm) | Conclusion |
| WCDMA                                  | 1852.40         | 22.11                     | 0.81           | 22.92      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 22.18                     | 0.81           | 22.99      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 22.10                     | 0.81           | 22.91      | 2.00          | 33.01            | PASS       |
| HSDPA Subtest 1                        | 1852.40         | 20.75                     | 0.81           | 21.56      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.54                     | 0.81           | 21.35      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.14                     | 0.81           | 20.95      | 2.00          | 33.01            | PASS       |
| HSDPA Subtest 2                        | 1852.40         | 20.11                     | 0.81           | 20.92      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.79                     | 0.81           | 21.60      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.58                     | 0.81           | 21.39      | 2.00          | 33.01            | PASS       |
| HSDPA Subtest 3                        | 1852.40         | 20.36                     | 0.81           | 21.17      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.19                     | 0.81           | 21.00      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.74                     | 0.81           | 21.55      | 2.00          | 33.01            | PASS       |
| HSDPA Subtest 4                        | 1852.40         | 20.43                     | 0.81           | 21.24      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.20                     | 0.81           | 21.01      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 19.99                     | 0.81           | 20.80      | 2.00          | 33.01            | PASS       |
| HSUPA Subtest 1                        | 1852.40         | 20.53                     | 0.81           | 21.34      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.54                     | 0.81           | 21.35      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.51                     | 0.81           | 21.32      | 2.00          | 33.01            | PASS       |
| HSUPA Subtest 2                        | 1852.40         | 20.58                     | 0.81           | 21.39      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.32                     | 0.81           | 21.13      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.56                     | 0.81           | 21.37      | 2.00          | 33.01            | PASS       |
| HSUPA Subtest 3                        | 1852.40         | 20.71                     | 0.81           | 21.52      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.57                     | 0.81           | 21.38      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.66                     | 0.81           | 21.47      | 2.00          | 33.01            | PASS       |
| HSUPA Subtest 4                        | 1852.40         | 20.45                     | 0.81           | 21.26      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.45                     | 0.81           | 21.26      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.59                     | 0.81           | 21.40      | 2.00          | 33.01            | PASS       |
| HSUPA Subtest 5                        | 1852.40         | 20.37                     | 0.81           | 21.18      | 2.00          | 33.01            | PASS       |
|                                        | 1880.00         | 20.55                     | 0.81           | 21.36      | 2.00          | 33.01            | PASS       |
|                                        | 1907.60         | 20.33                     | 0.81           | 21.14      | 2.00          | 33.01            | PASS       |



| Radiated Power (ERP) for WCDMA Band 5 |                 |                           |                |           |              |                 |            |
|---------------------------------------|-----------------|---------------------------|----------------|-----------|--------------|-----------------|------------|
| Mode                                  | Frequency (MHz) | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit (dBm) | Conclusion |
| WCDMA                                 | 826.40          | 22.64                     | -0.71          | 19.78     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.69                     | -0.71          | 19.83     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.78                     | -0.71          | 19.92     | 7.00         | 38.45           | PASS       |
| HSDPA Subtest 1                       | 826.40          | 22.59                     | -0.71          | 19.73     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.29                     | -0.71          | 19.43     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 21.77                     | -0.71          | 18.91     | 7.00         | 38.45           | PASS       |
| HSDPA Subtest 2                       | 826.40          | 21.84                     | -0.71          | 18.98     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.52                     | -0.71          | 19.66     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.05                     | -0.71          | 19.19     | 7.00         | 38.45           | PASS       |
| HSDPA Subtest 3                       | 826.40          | 21.68                     | -0.71          | 18.82     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 21.79                     | -0.71          | 18.93     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.30                     | -0.71          | 19.44     | 7.00         | 38.45           | PASS       |
| HSDPA Subtest 4                       | 826.40          | 21.91                     | -0.71          | 19.05     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 21.69                     | -0.71          | 18.83     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 21.58                     | -0.71          | 18.72     | 7.00         | 38.45           | PASS       |
| HSUPA Subtest 1                       | 826.40          | 22.35                     | -0.71          | 19.49     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.48                     | -0.71          | 19.62     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.29                     | -0.71          | 19.43     | 7.00         | 38.45           | PASS       |
| HSUPA Subtest 2                       | 826.40          | 22.62                     | -0.71          | 19.76     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.57                     | -0.71          | 19.71     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.31                     | -0.71          | 19.45     | 7.00         | 38.45           | PASS       |
| HSUPA Subtest 3                       | 826.40          | 22.47                     | -0.71          | 19.61     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.34                     | -0.71          | 19.48     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.46                     | -0.71          | 19.60     | 7.00         | 38.45           | PASS       |
| HSUPA Subtest 4                       | 826.40          | 22.43                     | -0.71          | 19.57     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.19                     | -0.71          | 19.33     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.33                     | -0.71          | 19.47     | 7.00         | 38.45           | PASS       |
| HSUPA Subtest 5                       | 826.40          | 22.16                     | -0.71          | 19.30     | 7.00         | 38.45           | PASS       |
|                                       | 836.40          | 22.43                     | -0.71          | 19.57     | 7.00         | 38.45           | PASS       |
|                                       | 846.60          | 22.18                     | -0.71          | 19.32     | 7.00         | 38.45           | PASS       |



| Radiated Power (EIRP) for LTE Band 2 /1.4M |            |         |           |            |                           |                |            |               |                 |         |
|--------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                   | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 1.4                                        | Lowest     | 1       | 0         | QPSK       | 22.52                     | 0.81           | 23.33      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 2         |            | 22.49                     | 0.81           | 23.30      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 5         |            | 22.40                     | 0.81           | 23.21      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 0         |            | 22.57                     | 0.81           | 23.38      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 1         |            | 22.53                     | 0.81           | 23.34      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 2         |            | 22.52                     | 0.81           | 23.33      | 2.00          | 33.01           | PASS    |
|                                            |            | 6       | 0         |            | 21.53                     | 0.81           | 22.34      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.38                     | 0.81           | 23.19      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 2         |            | 22.43                     | 0.81           | 23.24      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 5         |            | 22.41                     | 0.81           | 23.22      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 0         |            | 21.63                     | 0.81           | 22.44      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 1         |            | 21.69                     | 0.81           | 22.50      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 2         |            | 21.66                     | 0.81           | 22.47      | 2.00          | 33.01           | PASS    |
|                                            |            | 6       | 0         |            | 20.67                     | 0.81           | 21.48      | 2.00          | 33.01           | PASS    |
|                                            | Middle     | 1       | 0         | QPSK       | 23.01                     | 0.81           | 23.82      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 2         |            | 22.91                     | 0.81           | 23.72      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 5         |            | 22.94                     | 0.81           | 23.75      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 0         |            | 22.75                     | 0.81           | 23.56      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 1         |            | 22.80                     | 0.81           | 23.61      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 2         |            | 22.72                     | 0.81           | 23.53      | 2.00          | 33.01           | PASS    |
|                                            |            | 6       | 0         |            | 21.76                     | 0.81           | 22.57      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 21.83                     | 0.81           | 22.64      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 2         |            | 21.93                     | 0.81           | 22.74      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 5         |            | 21.84                     | 0.81           | 22.65      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 0         |            | 21.72                     | 0.81           | 22.53      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 1         |            | 21.72                     | 0.81           | 22.53      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 2         |            | 21.76                     | 0.81           | 22.57      | 2.00          | 33.01           | PASS    |
|                                            |            | 6       | 0         |            | 20.85                     | 0.81           | 21.66      | 2.00          | 33.01           | PASS    |
|                                            | Highest    | 1       | 0         | QPSK       | 22.93                     | 0.81           | 23.74      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 2         |            | 22.95                     | 0.81           | 23.76      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 5         |            | 22.93                     | 0.81           | 23.74      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 0         |            | 22.67                     | 0.81           | 23.48      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 1         |            | 22.64                     | 0.81           | 23.45      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 2         |            | 22.67                     | 0.81           | 23.48      | 2.00          | 33.01           | PASS    |
|                                            |            | 6       | 0         |            | 21.63                     | 0.81           | 22.44      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.40                     | 0.81           | 23.21      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 2         |            | 22.50                     | 0.81           | 23.31      | 2.00          | 33.01           | PASS    |
|                                            |            | 1       | 5         |            | 22.44                     | 0.81           | 23.25      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 0         |            | 21.65                     | 0.81           | 22.46      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 1         |            | 21.52                     | 0.81           | 22.33      | 2.00          | 33.01           | PASS    |
|                                            |            | 3       | 2         |            | 21.63                     | 0.81           | 22.44      | 2.00          | 33.01           | PASS    |
|                                            |            | 6       | 0         |            | 20.67                     | 0.81           | 21.48      | 2.00          | 33.01           | PASS    |



| Radiated Power (EIRP) for LTE Band 2 /3M |            |         |           |            |                           |                |            |               |                 |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 3                                        | Lowest     | 1       | 0         | QPSK       | 22.73                     | 0.81           | 23.54      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 7         |            | 22.84                     | 0.81           | 23.65      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 14        |            | 22.79                     | 0.81           | 23.60      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 0         |            | 21.51                     | 0.81           | 22.32      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 4         |            | 21.49                     | 0.81           | 22.30      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 7         |            | 21.50                     | 0.81           | 22.31      | 2.00          | 33.01           | PASS    |
|                                          |            | 15      | 0         |            | 21.50                     | 0.81           | 22.31      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.02                     | 0.81           | 22.83      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 7         |            | 21.97                     | 0.81           | 22.78      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 14        |            | 22.02                     | 0.81           | 22.83      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 0         |            | 20.59                     | 0.81           | 21.40      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 4         |            | 20.62                     | 0.81           | 21.43      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 7         |            | 20.59                     | 0.81           | 21.40      | 2.00          | 33.01           | PASS    |
|                                          |            | 15      | 0         |            | 20.58                     | 0.81           | 21.39      | 2.00          | 33.01           | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 22.90                     | 0.81           | 23.71      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 7         |            | 22.86                     | 0.81           | 23.67      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 14        |            | 22.83                     | 0.81           | 23.64      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 0         |            | 21.74                     | 0.81           | 22.55      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 4         |            | 21.64                     | 0.81           | 22.45      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 7         |            | 21.73                     | 0.81           | 22.54      | 2.00          | 33.01           | PASS    |
|                                          |            | 15      | 0         |            | 21.55                     | 0.81           | 22.36      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.28                     | 0.81           | 22.09      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 7         |            | 21.24                     | 0.81           | 22.05      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 14        |            | 21.18                     | 0.81           | 21.99      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 0         |            | 20.86                     | 0.81           | 21.67      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 4         |            | 20.84                     | 0.81           | 21.65      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 7         |            | 20.88                     | 0.81           | 21.69      | 2.00          | 33.01           | PASS    |
|                                          |            | 15      | 0         |            | 20.73                     | 0.81           | 21.54      | 2.00          | 33.01           | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 22.51                     | 0.81           | 23.32      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 7         |            | 22.73                     | 0.81           | 23.54      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 14        |            | 22.59                     | 0.81           | 23.40      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 0         |            | 21.55                     | 0.81           | 22.36      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 4         |            | 21.67                     | 0.81           | 22.48      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 7         |            | 21.68                     | 0.81           | 22.49      | 2.00          | 33.01           | PASS    |
|                                          |            | 15      | 0         |            | 21.62                     | 0.81           | 22.43      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.43                     | 0.81           | 23.24      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 7         |            | 22.46                     | 0.81           | 23.27      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 14        |            | 22.38                     | 0.81           | 23.19      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 0         |            | 20.58                     | 0.81           | 21.39      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 4         |            | 20.60                     | 0.81           | 21.41      | 2.00          | 33.01           | PASS    |
|                                          |            | 8       | 7         |            | 20.55                     | 0.81           | 21.36      | 2.00          | 33.01           | PASS    |
|                                          |            | 15      | 0         |            | 20.59                     | 0.81           | 21.40      | 2.00          | 33.01           | PASS    |



| Radiated Power (EIRP) for LTE Band 2 /5M |            |         |           |            |                           |                |            |               |                 |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 5                                        | Lowest     | 1       | 0         | QPSK       | 22.58                     | 0.81           | 23.39      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 12        |            | 22.68                     | 0.81           | 23.49      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 24        |            | 22.40                     | 0.81           | 23.21      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 0         |            | 21.56                     | 0.81           | 22.37      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 6         |            | 21.48                     | 0.81           | 22.29      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 11        |            | 21.57                     | 0.81           | 22.38      | 2.00          | 33.01           | PASS    |
|                                          |            | 25      | 0         |            | 21.55                     | 0.81           | 22.36      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.03                     | 0.81           | 22.84      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 12        |            | 21.96                     | 0.81           | 22.77      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 24        |            | 21.93                     | 0.81           | 22.74      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 0         |            | 20.43                     | 0.81           | 21.24      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 6         |            | 20.41                     | 0.81           | 21.22      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 11        |            | 20.42                     | 0.81           | 21.23      | 2.00          | 33.01           | PASS    |
|                                          |            | 25      | 0         |            | 20.59                     | 0.81           | 21.40      | 2.00          | 33.01           | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 22.83                     | 0.81           | 23.64      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 12        |            | 22.83                     | 0.81           | 23.64      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 24        |            | 22.85                     | 0.81           | 23.66      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 0         |            | 21.47                     | 0.81           | 22.28      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 6         |            | 21.72                     | 0.81           | 22.53      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 11        |            | 21.45                     | 0.81           | 22.26      | 2.00          | 33.01           | PASS    |
|                                          |            | 25      | 0         |            | 21.67                     | 0.81           | 22.48      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.90                     | 0.81           | 22.71      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 12        |            | 21.90                     | 0.81           | 22.71      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 24        |            | 21.88                     | 0.81           | 22.69      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 0         |            | 20.74                     | 0.81           | 21.55      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 6         |            | 20.79                     | 0.81           | 21.60      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 11        |            | 20.83                     | 0.81           | 21.64      | 2.00          | 33.01           | PASS    |
|                                          |            | 25      | 0         |            | 20.67                     | 0.81           | 21.48      | 2.00          | 33.01           | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 22.48                     | 0.81           | 23.29      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 12        |            | 22.56                     | 0.81           | 23.37      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 24        |            | 22.54                     | 0.81           | 23.35      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 0         |            | 21.66                     | 0.81           | 22.47      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 6         |            | 21.61                     | 0.81           | 22.42      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 11        |            | 21.50                     | 0.81           | 22.31      | 2.00          | 33.01           | PASS    |
|                                          |            | 25      | 0         |            | 21.50                     | 0.81           | 22.31      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.15                     | 0.81           | 21.96      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 12        |            | 21.18                     | 0.81           | 21.99      | 2.00          | 33.01           | PASS    |
|                                          |            | 1       | 24        |            | 21.18                     | 0.81           | 21.99      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 0         |            | 20.70                     | 0.81           | 21.51      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 6         |            | 20.63                     | 0.81           | 21.44      | 2.00          | 33.01           | PASS    |
|                                          |            | 12      | 11        |            | 20.68                     | 0.81           | 21.49      | 2.00          | 33.01           | PASS    |
|                                          |            | 25      | 0         |            | 20.55                     | 0.81           | 21.36      | 2.00          | 33.01           | PASS    |



| Radiated Power (EIRP) for LTE Band 2 /10M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 10                                        | Lowest     | 1       | 0         | QPSK       | 22.87                     | 0.81           | 23.68      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 24        |            | 22.88                     | 0.81           | 23.69      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.74                     | 0.81           | 23.55      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 0         |            | 21.55                     | 0.81           | 22.36      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 12        |            | 21.79                     | 0.81           | 22.60      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 24        |            | 21.60                     | 0.81           | 22.41      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 21.41                     | 0.81           | 22.22      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.26                     | 0.81           | 22.07      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 24        |            | 21.17                     | 0.81           | 21.98      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 21.25                     | 0.81           | 22.06      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 0         |            | 20.56                     | 0.81           | 21.37      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 12        |            | 20.62                     | 0.81           | 21.43      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 24        |            | 20.66                     | 0.81           | 21.47      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 20.47                     | 0.81           | 21.28      | 2.00          | 33.01           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.62                     | 0.81           | 23.43      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 24        |            | 22.66                     | 0.81           | 23.47      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.52                     | 0.81           | 23.33      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 0         |            | 21.62                     | 0.81           | 22.43      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 12        |            | 21.76                     | 0.81           | 22.57      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 24        |            | 21.67                     | 0.81           | 22.48      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 21.77                     | 0.81           | 22.58      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.29                     | 0.81           | 23.10      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 24        |            | 22.28                     | 0.81           | 23.09      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.26                     | 0.81           | 23.07      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 0         |            | 20.89                     | 0.81           | 21.70      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 12        |            | 20.88                     | 0.81           | 21.69      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 24        |            | 20.87                     | 0.81           | 21.68      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 20.93                     | 0.81           | 21.74      | 2.00          | 33.01           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.70                     | 0.81           | 23.51      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 24        |            | 22.73                     | 0.81           | 23.54      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.79                     | 0.81           | 23.60      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 0         |            | 21.53                     | 0.81           | 22.34      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 12        |            | 21.63                     | 0.81           | 22.44      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 24        |            | 21.62                     | 0.81           | 22.43      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 21.59                     | 0.81           | 22.40      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.79                     | 0.81           | 22.60      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 24        |            | 21.78                     | 0.81           | 22.59      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 21.82                     | 0.81           | 22.63      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 0         |            | 20.72                     | 0.81           | 21.53      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 12        |            | 20.73                     | 0.81           | 21.54      | 2.00          | 33.01           | PASS    |
|                                           |            | 25      | 24        |            | 20.65                     | 0.81           | 21.46      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 20.77                     | 0.81           | 21.58      | 2.00          | 33.01           | PASS    |



| Radiated Power (EIRP) for LTE Band 2 /15M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 15                                        | Lowest     | 1       | 0         | QPSK       | 22.81                     | 0.81           | 23.62      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 37        |            | 22.84                     | 0.81           | 23.65      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 74        |            | 22.78                     | 0.81           | 23.59      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 0         |            | 21.54                     | 0.81           | 22.35      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 18        |            | 21.47                     | 0.81           | 22.28      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 39        |            | 21.54                     | 0.81           | 22.35      | 2.00          | 33.01           | PASS    |
|                                           |            | 75      | 0         |            | 21.40                     | 0.81           | 22.21      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.31                     | 0.81           | 22.12      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 37        |            | 21.22                     | 0.81           | 22.03      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 74        |            | 21.28                     | 0.81           | 22.09      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 0         |            | 20.61                     | 0.81           | 21.42      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 18        |            | 20.63                     | 0.81           | 21.44      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 39        |            | 20.61                     | 0.81           | 21.42      | 2.00          | 33.01           | PASS    |
|                                           |            | 75      | 0         |            | 20.63                     | 0.81           | 21.44      | 2.00          | 33.01           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.60                     | 0.81           | 23.41      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 37        |            | 22.49                     | 0.81           | 23.30      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 74        |            | 22.59                     | 0.81           | 23.40      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 0         |            | 21.73                     | 0.81           | 22.54      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 18        |            | 21.79                     | 0.81           | 22.60      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 39        |            | 21.67                     | 0.81           | 22.48      | 2.00          | 33.01           | PASS    |
|                                           |            | 75      | 0         |            | 21.75                     | 0.81           | 22.56      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.33                     | 0.81           | 23.14      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 37        |            | 22.36                     | 0.81           | 23.17      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 74        |            | 22.23                     | 0.81           | 23.04      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 0         |            | 20.53                     | 0.81           | 21.34      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 18        |            | 20.68                     | 0.81           | 21.49      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 39        |            | 20.79                     | 0.81           | 21.60      | 2.00          | 33.01           | PASS    |
|                                           |            | 75      | 0         |            | 20.86                     | 0.81           | 21.67      | 2.00          | 33.01           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.58                     | 0.81           | 23.39      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 37        |            | 22.64                     | 0.81           | 23.45      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 74        |            | 22.74                     | 0.81           | 23.55      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 0         |            | 21.53                     | 0.81           | 22.34      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 18        |            | 21.54                     | 0.81           | 22.35      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 39        |            | 21.72                     | 0.81           | 22.53      | 2.00          | 33.01           | PASS    |
|                                           |            | 75      | 0         |            | 21.52                     | 0.81           | 22.33      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.40                     | 0.81           | 22.21      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 37        |            | 21.50                     | 0.81           | 22.31      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 74        |            | 21.59                     | 0.81           | 22.40      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 0         |            | 20.57                     | 0.81           | 21.38      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 18        |            | 20.67                     | 0.81           | 21.48      | 2.00          | 33.01           | PASS    |
|                                           |            | 36      | 39        |            | 20.55                     | 0.81           | 21.36      | 2.00          | 33.01           | PASS    |
|                                           |            | 75      | 0         |            | 20.70                     | 0.81           | 21.51      | 2.00          | 33.01           | PASS    |



| Radiated Power (EIRP) for LTE Band 2 /20M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 20                                        | Lowest     | 1       | 0         | QPSK       | 22.70                     | 0.81           | 23.51      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.64                     | 0.81           | 23.45      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 99        |            | 22.74                     | 0.81           | 23.55      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 21.44                     | 0.81           | 22.25      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 24        |            | 21.55                     | 0.81           | 22.36      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 49        |            | 21.54                     | 0.81           | 22.35      | 2.00          | 33.01           | PASS    |
|                                           |            | 100     | 0         |            | 21.45                     | 0.81           | 22.26      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.77                     | 0.81           | 22.58      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 21.71                     | 0.81           | 22.52      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 99        |            | 21.79                     | 0.81           | 22.60      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 20.70                     | 0.81           | 21.51      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 24        |            | 20.66                     | 0.81           | 21.47      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 49        |            | 20.66                     | 0.81           | 21.47      | 2.00          | 33.01           | PASS    |
|                                           |            | 100     | 0         |            | 20.65                     | 0.81           | 21.46      | 2.00          | 33.01           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.91                     | 0.81           | 23.72      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.96                     | 0.81           | 23.77      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 99        |            | 23.07                     | 0.81           | 23.88      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 21.66                     | 0.81           | 22.47      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 24        |            | 21.62                     | 0.81           | 22.43      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 49        |            | 21.73                     | 0.81           | 22.54      | 2.00          | 33.01           | PASS    |
|                                           |            | 100     | 0         |            | 21.64                     | 0.81           | 22.45      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.99                     | 0.81           | 22.80      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.00                     | 0.81           | 22.81      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 99        |            | 22.05                     | 0.81           | 22.86      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 20.81                     | 0.81           | 21.62      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 24        |            | 20.73                     | 0.81           | 21.54      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 49        |            | 20.67                     | 0.81           | 21.48      | 2.00          | 33.01           | PASS    |
|                                           |            | 100     | 0         |            | 20.79                     | 0.81           | 21.60      | 2.00          | 33.01           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.62                     | 0.81           | 23.43      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 22.74                     | 0.81           | 23.55      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 99        |            | 22.72                     | 0.81           | 23.53      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 21.58                     | 0.81           | 22.39      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 24        |            | 21.67                     | 0.81           | 22.48      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 49        |            | 21.55                     | 0.81           | 22.36      | 2.00          | 33.01           | PASS    |
|                                           |            | 100     | 0         |            | 21.81                     | 0.81           | 22.62      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.51                     | 0.81           | 22.32      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 49        |            | 21.60                     | 0.81           | 22.41      | 2.00          | 33.01           | PASS    |
|                                           |            | 1       | 99        |            | 21.69                     | 0.81           | 22.50      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 0         |            | 20.68                     | 0.81           | 21.49      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 24        |            | 20.75                     | 0.81           | 21.56      | 2.00          | 33.01           | PASS    |
|                                           |            | 50      | 49        |            | 20.65                     | 0.81           | 21.46      | 2.00          | 33.01           | PASS    |
|                                           |            | 100     | 0         |            | 20.82                     | 0.81           | 21.63      | 2.00          | 33.01           | PASS    |



| Radiated Power (EIRP) for LTE Band 4 /1.4M |            |         |           |            |                           |                |            |               |                 |         |
|--------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                   | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 1.4                                        | Lowest     | 1       | 0         | QPSK       | 23.22                     | 0.76           | 23.98      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 2         |            | 23.20                     | 0.76           | 23.96      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 5         |            | 23.11                     | 0.76           | 23.87      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 0         |            | 22.96                     | 0.76           | 23.72      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 1         |            | 22.93                     | 0.76           | 23.69      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 2         |            | 22.97                     | 0.76           | 23.73      | 1.00          | 30.00           | PASS    |
|                                            |            | 6       | 0         |            | 21.89                     | 0.76           | 22.65      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.12                     | 0.76           | 22.88      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 2         |            | 22.17                     | 0.76           | 22.93      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 5         |            | 22.17                     | 0.76           | 22.93      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 0         |            | 22.08                     | 0.76           | 22.84      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 1         |            | 22.04                     | 0.76           | 22.80      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 2         |            | 22.04                     | 0.76           | 22.80      | 1.00          | 30.00           | PASS    |
|                                            |            | 6       | 0         |            | 20.88                     | 0.76           | 21.64      | 1.00          | 30.00           | PASS    |
|                                            | Middle     | 1       | 0         | QPSK       | 22.82                     | 0.76           | 23.58      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 2         |            | 22.77                     | 0.76           | 23.53      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 5         |            | 22.81                     | 0.76           | 23.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 0         |            | 22.81                     | 0.76           | 23.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 1         |            | 22.87                     | 0.76           | 23.63      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 2         |            | 22.81                     | 0.76           | 23.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 6       | 0         |            | 21.88                     | 0.76           | 22.64      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.70                     | 0.76           | 23.46      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 2         |            | 22.63                     | 0.76           | 23.39      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 5         |            | 22.70                     | 0.76           | 23.46      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 0         |            | 21.97                     | 0.76           | 22.73      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 1         |            | 21.99                     | 0.76           | 22.75      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 2         |            | 21.99                     | 0.76           | 22.75      | 1.00          | 30.00           | PASS    |
|                                            |            | 6       | 0         |            | 21.02                     | 0.76           | 21.78      | 1.00          | 30.00           | PASS    |
|                                            | Highest    | 1       | 0         | QPSK       | 22.92                     | 0.76           | 23.68      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 2         |            | 22.92                     | 0.76           | 23.68      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 5         |            | 22.89                     | 0.76           | 23.65      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 0         |            | 22.83                     | 0.76           | 23.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 1         |            | 22.82                     | 0.76           | 23.58      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 2         |            | 22.83                     | 0.76           | 23.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 6       | 0         |            | 21.81                     | 0.76           | 22.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.17                     | 0.76           | 22.93      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 2         |            | 22.21                     | 0.76           | 22.97      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 5         |            | 22.17                     | 0.76           | 22.93      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 0         |            | 21.68                     | 0.76           | 22.44      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 1         |            | 21.70                     | 0.76           | 22.46      | 1.00          | 30.00           | PASS    |
|                                            |            | 3       | 2         |            | 21.73                     | 0.76           | 22.49      | 1.00          | 30.00           | PASS    |
|                                            |            | 6       | 0         |            | 20.78                     | 0.76           | 21.54      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 4 /3M |            |         |           |            |                           |                |            |               |                 |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 3                                        | Lowest     | 1       | 0         | QPSK       | 23.08                     | 0.76           | 23.84      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 7         |            | 23.00                     | 0.76           | 23.76      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 14        |            | 22.96                     | 0.76           | 23.72      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 0         |            | 21.85                     | 0.76           | 22.61      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 4         |            | 21.89                     | 0.76           | 22.65      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 7         |            | 21.80                     | 0.76           | 22.56      | 1.00          | 30.00           | PASS    |
|                                          |            | 15      | 0         |            | 21.74                     | 0.76           | 22.50      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.62                     | 0.76           | 22.38      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 7         |            | 21.60                     | 0.76           | 22.36      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 14        |            | 21.54                     | 0.76           | 22.30      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 0         |            | 20.90                     | 0.76           | 21.66      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 4         |            | 20.86                     | 0.76           | 21.62      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 7         |            | 20.81                     | 0.76           | 21.57      | 1.00          | 30.00           | PASS    |
|                                          |            | 15      | 0         |            | 20.86                     | 0.76           | 21.62      | 1.00          | 30.00           | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 22.86                     | 0.76           | 23.62      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 7         |            | 22.84                     | 0.76           | 23.60      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 14        |            | 22.84                     | 0.76           | 23.60      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 0         |            | 21.87                     | 0.76           | 22.63      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 4         |            | 21.87                     | 0.76           | 22.63      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 7         |            | 21.86                     | 0.76           | 22.62      | 1.00          | 30.00           | PASS    |
|                                          |            | 15      | 0         |            | 21.91                     | 0.76           | 22.67      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.65                     | 0.76           | 23.41      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 7         |            | 22.73                     | 0.76           | 23.49      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 14        |            | 22.63                     | 0.76           | 23.39      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 0         |            | 20.91                     | 0.76           | 21.67      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 4         |            | 20.87                     | 0.76           | 21.63      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 7         |            | 20.87                     | 0.76           | 21.63      | 1.00          | 30.00           | PASS    |
|                                          |            | 15      | 0         |            | 21.01                     | 0.76           | 21.77      | 1.00          | 30.00           | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 22.91                     | 0.76           | 23.67      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 7         |            | 22.93                     | 0.76           | 23.69      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 14        |            | 22.90                     | 0.76           | 23.66      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 0         |            | 21.79                     | 0.76           | 22.55      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 4         |            | 21.78                     | 0.76           | 22.54      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 7         |            | 21.79                     | 0.76           | 22.55      | 1.00          | 30.00           | PASS    |
|                                          |            | 15      | 0         |            | 21.78                     | 0.76           | 22.54      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.13                     | 0.76           | 22.89      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 7         |            | 22.22                     | 0.76           | 22.98      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 14        |            | 22.24                     | 0.76           | 23.00      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 0         |            | 20.97                     | 0.76           | 21.73      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 4         |            | 21.00                     | 0.76           | 21.76      | 1.00          | 30.00           | PASS    |
|                                          |            | 8       | 7         |            | 21.04                     | 0.76           | 21.80      | 1.00          | 30.00           | PASS    |
|                                          |            | 15      | 0         |            | 21.01                     | 0.76           | 21.77      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 4 /5M |            |         |           |            |                           |                |            |               |                 |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 5                                        | Lowest     | 1       | 0         | QPSK       | 22.95                     | 0.76           | 23.71      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 12        |            | 22.75                     | 0.76           | 23.51      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 24        |            | 22.87                     | 0.76           | 23.63      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 0         |            | 21.91                     | 0.76           | 22.67      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 6         |            | 21.84                     | 0.76           | 22.60      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 11        |            | 22.00                     | 0.76           | 22.76      | 1.00          | 30.00           | PASS    |
|                                          |            | 25      | 0         |            | 21.84                     | 0.76           | 22.60      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.36                     | 0.76           | 23.12      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 12        |            | 22.31                     | 0.76           | 23.07      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 24        |            | 22.35                     | 0.76           | 23.11      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 0         |            | 20.81                     | 0.76           | 21.57      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 6         |            | 20.74                     | 0.76           | 21.50      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 11        |            | 20.78                     | 0.76           | 21.54      | 1.00          | 30.00           | PASS    |
|                                          |            | 25      | 0         |            | 20.90                     | 0.76           | 21.66      | 1.00          | 30.00           | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 23.08                     | 0.76           | 23.84      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 12        |            | 23.03                     | 0.76           | 23.79      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 24        |            | 23.06                     | 0.76           | 23.82      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 0         |            | 21.99                     | 0.76           | 22.75      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 6         |            | 21.82                     | 0.76           | 22.58      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 11        |            | 21.77                     | 0.76           | 22.53      | 1.00          | 30.00           | PASS    |
|                                          |            | 25      | 0         |            | 21.86                     | 0.76           | 22.62      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.03                     | 0.76           | 22.79      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 12        |            | 22.00                     | 0.76           | 22.76      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 24        |            | 22.04                     | 0.76           | 22.80      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 0         |            | 20.92                     | 0.76           | 21.68      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 6         |            | 20.92                     | 0.76           | 21.68      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 11        |            | 21.01                     | 0.76           | 21.77      | 1.00          | 30.00           | PASS    |
|                                          |            | 25      | 0         |            | 21.05                     | 0.76           | 21.81      | 1.00          | 30.00           | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 22.66                     | 0.76           | 23.42      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 12        |            | 22.70                     | 0.76           | 23.46      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 24        |            | 22.75                     | 0.76           | 23.51      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 0         |            | 21.76                     | 0.76           | 22.52      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 6         |            | 21.65                     | 0.76           | 22.41      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 11        |            | 21.86                     | 0.76           | 22.62      | 1.00          | 30.00           | PASS    |
|                                          |            | 25      | 0         |            | 21.85                     | 0.76           | 22.61      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.39                     | 0.76           | 22.15      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 12        |            | 21.55                     | 0.76           | 22.31      | 1.00          | 30.00           | PASS    |
|                                          |            | 1       | 24        |            | 21.54                     | 0.76           | 22.30      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 0         |            | 20.80                     | 0.76           | 21.56      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 6         |            | 20.84                     | 0.76           | 21.60      | 1.00          | 30.00           | PASS    |
|                                          |            | 12      | 11        |            | 20.89                     | 0.76           | 21.65      | 1.00          | 30.00           | PASS    |
|                                          |            | 25      | 0         |            | 20.76                     | 0.76           | 21.52      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 4 /10M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 10                                        | Lowest     | 1       | 0         | QPSK       | 23.20                     | 0.76           | 23.96      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 23.01                     | 0.76           | 23.77      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 23.16                     | 0.76           | 23.92      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.82                     | 0.76           | 22.58      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 12        |            | 21.87                     | 0.76           | 22.63      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 24        |            | 21.85                     | 0.76           | 22.61      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.74                     | 0.76           | 22.50      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.60                     | 0.76           | 22.36      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 21.46                     | 0.76           | 22.22      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 21.51                     | 0.76           | 22.27      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 20.94                     | 0.76           | 21.70      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 12        |            | 20.97                     | 0.76           | 21.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 24        |            | 21.00                     | 0.76           | 21.76      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.06                     | 0.76           | 21.82      | 1.00          | 30.00           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.88                     | 0.76           | 23.64      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.81                     | 0.76           | 23.57      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.77                     | 0.76           | 23.53      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.90                     | 0.76           | 22.66      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 12        |            | 21.69                     | 0.76           | 22.45      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 24        |            | 21.53                     | 0.76           | 22.29      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.92                     | 0.76           | 22.68      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.50                     | 0.76           | 23.26      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.41                     | 0.76           | 23.17      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.45                     | 0.76           | 23.21      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.36                     | 0.76           | 22.12      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 12        |            | 21.09                     | 0.76           | 21.85      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 24        |            | 21.07                     | 0.76           | 21.83      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.00                     | 0.76           | 21.76      | 1.00          | 30.00           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.88                     | 0.76           | 23.64      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.85                     | 0.76           | 23.61      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.93                     | 0.76           | 23.69      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.90                     | 0.76           | 22.66      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 12        |            | 21.94                     | 0.76           | 22.70      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 24        |            | 21.82                     | 0.76           | 22.58      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.63                     | 0.76           | 22.39      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.33                     | 0.76           | 23.09      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.24                     | 0.76           | 23.00      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.34                     | 0.76           | 23.10      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 20.85                     | 0.76           | 21.61      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 12        |            | 20.92                     | 0.76           | 21.68      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 24        |            | 20.94                     | 0.76           | 21.70      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 20.84                     | 0.76           | 21.60      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 4 /15M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 15                                        | Lowest     | 1       | 0         | QPSK       | 23.19                     | 0.76           | 23.95      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 37        |            | 23.24                     | 0.76           | 24.00      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 74        |            | 23.23                     | 0.76           | 23.99      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 0         |            | 21.73                     | 0.76           | 22.49      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 18        |            | 21.97                     | 0.76           | 22.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 39        |            | 21.89                     | 0.76           | 22.65      | 1.00          | 30.00           | PASS    |
|                                           |            | 75      | 0         |            | 21.90                     | 0.76           | 22.66      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.61                     | 0.76           | 22.37      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 37        |            | 21.54                     | 0.76           | 22.30      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 74        |            | 21.55                     | 0.76           | 22.31      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 0         |            | 20.97                     | 0.76           | 21.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 18        |            | 20.93                     | 0.76           | 21.69      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 39        |            | 21.14                     | 0.76           | 21.90      | 1.00          | 30.00           | PASS    |
|                                           |            | 75      | 0         |            | 20.93                     | 0.76           | 21.69      | 1.00          | 30.00           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.88                     | 0.76           | 23.64      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 37        |            | 22.79                     | 0.76           | 23.55      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 74        |            | 22.70                     | 0.76           | 23.46      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 0         |            | 21.90                     | 0.76           | 22.66      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 18        |            | 21.86                     | 0.76           | 22.62      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 39        |            | 21.89                     | 0.76           | 22.65      | 1.00          | 30.00           | PASS    |
|                                           |            | 75      | 0         |            | 21.76                     | 0.76           | 22.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.48                     | 0.76           | 23.24      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 37        |            | 22.50                     | 0.76           | 23.26      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 74        |            | 22.42                     | 0.76           | 23.18      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 0         |            | 21.07                     | 0.76           | 21.83      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 18        |            | 20.97                     | 0.76           | 21.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 39        |            | 20.91                     | 0.76           | 21.67      | 1.00          | 30.00           | PASS    |
|                                           |            | 75      | 0         |            | 21.13                     | 0.76           | 21.89      | 1.00          | 30.00           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.67                     | 0.76           | 23.43      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 37        |            | 22.64                     | 0.76           | 23.40      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 74        |            | 22.73                     | 0.76           | 23.49      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 0         |            | 21.43                     | 0.76           | 22.19      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 18        |            | 21.68                     | 0.76           | 22.44      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 39        |            | 21.69                     | 0.76           | 22.45      | 1.00          | 30.00           | PASS    |
|                                           |            | 75      | 0         |            | 21.49                     | 0.76           | 22.25      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.73                     | 0.76           | 22.49      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 37        |            | 21.68                     | 0.76           | 22.44      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 74        |            | 21.65                     | 0.76           | 22.41      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 0         |            | 20.83                     | 0.76           | 21.59      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 18        |            | 20.81                     | 0.76           | 21.57      | 1.00          | 30.00           | PASS    |
|                                           |            | 36      | 39        |            | 20.77                     | 0.76           | 21.53      | 1.00          | 30.00           | PASS    |
|                                           |            | 75      | 0         |            | 20.83                     | 0.76           | 21.59      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 4 /20M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 20                                        | Lowest     | 1       | 0         | QPSK       | 23.07                     | 0.76           | 23.83      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 23.08                     | 0.76           | 23.84      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 99        |            | 23.26                     | 0.76           | 24.02      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.95                     | 0.76           | 22.71      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 24        |            | 21.80                     | 0.76           | 22.56      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 49        |            | 21.84                     | 0.76           | 22.60      | 1.00          | 30.00           | PASS    |
|                                           |            | 100     | 0         |            | 21.80                     | 0.76           | 22.56      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.03                     | 0.76           | 22.79      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.02                     | 0.76           | 22.78      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 99        |            | 22.18                     | 0.76           | 22.94      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 20.91                     | 0.76           | 21.67      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 24        |            | 21.11                     | 0.76           | 21.87      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 49        |            | 21.00                     | 0.76           | 21.76      | 1.00          | 30.00           | PASS    |
|                                           |            | 100     | 0         |            | 20.99                     | 0.76           | 21.75      | 1.00          | 30.00           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 23.06                     | 0.76           | 23.82      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 23.05                     | 0.76           | 23.81      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 99        |            | 22.98                     | 0.76           | 23.74      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 22.06                     | 0.76           | 22.82      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 24        |            | 21.89                     | 0.76           | 22.65      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 49        |            | 21.83                     | 0.76           | 22.59      | 1.00          | 30.00           | PASS    |
|                                           |            | 100     | 0         |            | 21.85                     | 0.76           | 22.61      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.70                     | 0.76           | 23.46      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.73                     | 0.76           | 23.49      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 99        |            | 22.66                     | 0.76           | 23.42      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 20.91                     | 0.76           | 21.67      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 24        |            | 21.01                     | 0.76           | 21.77      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 49        |            | 21.05                     | 0.76           | 21.81      | 1.00          | 30.00           | PASS    |
|                                           |            | 100     | 0         |            | 20.93                     | 0.76           | 21.69      | 1.00          | 30.00           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.76                     | 0.76           | 23.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 22.80                     | 0.76           | 23.56      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 99        |            | 22.93                     | 0.76           | 23.69      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 21.50                     | 0.76           | 22.26      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 24        |            | 21.63                     | 0.76           | 22.39      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 49        |            | 21.73                     | 0.76           | 22.49      | 1.00          | 30.00           | PASS    |
|                                           |            | 100     | 0         |            | 21.79                     | 0.76           | 22.55      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.60                     | 0.76           | 22.36      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 49        |            | 21.45                     | 0.76           | 22.21      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 99        |            | 21.54                     | 0.76           | 22.30      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 0         |            | 20.83                     | 0.76           | 21.59      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 24        |            | 20.93                     | 0.76           | 21.69      | 1.00          | 30.00           | PASS    |
|                                           |            | 50      | 49        |            | 20.85                     | 0.76           | 21.61      | 1.00          | 30.00           | PASS    |
|                                           |            | 100     | 0         |            | 21.17                     | 0.76           | 21.93      | 1.00          | 30.00           | PASS    |



| Radiated Power (ERP) for LTE Band 5 /1.4M |            |         |           |            |                           |                |           |              |                |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 1.4                                       | Lowest     | 1       | 0         | QPSK       | 23.25                     | -0.71          | 20.39     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 2         |            | 23.21                     | -0.71          | 20.35     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 5         |            | 23.29                     | -0.71          | 20.43     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 0         |            | 23.18                     | -0.71          | 20.32     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 1         |            | 23.12                     | -0.71          | 20.26     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 2         |            | 23.03                     | -0.71          | 20.17     | 7.00         | 38.45          | PASS    |
|                                           |            | 6       | 0         |            | 21.95                     | -0.71          | 19.09     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.24                     | -0.71          | 19.38     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 2         |            | 22.25                     | -0.71          | 19.39     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 5         |            | 22.19                     | -0.71          | 19.33     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 0         |            | 22.04                     | -0.71          | 19.18     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 1         |            | 21.99                     | -0.71          | 19.13     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 2         |            | 22.03                     | -0.71          | 19.17     | 7.00         | 38.45          | PASS    |
|                                           |            | 6       | 0         |            | 21.53                     | -0.71          | 18.67     | 7.00         | 38.45          | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 23.02                     | -0.71          | 20.16     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 2         |            | 23.26                     | -0.71          | 20.40     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 5         |            | 23.12                     | -0.71          | 20.26     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 0         |            | 23.22                     | -0.71          | 20.36     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 1         |            | 23.30                     | -0.71          | 20.44     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 2         |            | 23.25                     | -0.71          | 20.39     | 7.00         | 38.45          | PASS    |
|                                           |            | 6       | 0         |            | 22.30                     | -0.71          | 19.44     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.80                     | -0.71          | 19.94     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 2         |            | 23.02                     | -0.71          | 20.16     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 5         |            | 22.94                     | -0.71          | 20.08     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 0         |            | 22.32                     | -0.71          | 19.46     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 1         |            | 22.36                     | -0.71          | 19.50     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 2         |            | 22.31                     | -0.71          | 19.45     | 7.00         | 38.45          | PASS    |
|                                           |            | 6       | 0         |            | 21.60                     | -0.71          | 18.74     | 7.00         | 38.45          | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 23.48                     | -0.71          | 20.62     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 2         |            | 23.24                     | -0.71          | 20.38     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 5         |            | 23.23                     | -0.71          | 20.37     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 0         |            | 23.28                     | -0.71          | 20.42     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 1         |            | 23.06                     | -0.71          | 20.20     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 2         |            | 23.15                     | -0.71          | 20.29     | 7.00         | 38.45          | PASS    |
|                                           |            | 6       | 0         |            | 22.28                     | -0.71          | 19.42     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.65                     | -0.71          | 19.79     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 2         |            | 22.56                     | -0.71          | 19.70     | 7.00         | 38.45          | PASS    |
|                                           |            | 1       | 5         |            | 22.55                     | -0.71          | 19.69     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 0         |            | 22.30                     | -0.71          | 19.44     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 1         |            | 22.23                     | -0.71          | 19.37     | 7.00         | 38.45          | PASS    |
|                                           |            | 3       | 2         |            | 22.18                     | -0.71          | 19.32     | 7.00         | 38.45          | PASS    |
|                                           |            | 6       | 0         |            | 21.82                     | -0.71          | 18.96     | 7.00         | 38.45          | PASS    |



| Radiated Power (ERP) for LTE Band 5 /3M |            |         |           |            |                           |                |           |              |                |         |
|-----------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 3                                       | Lowest     | 1       | 0         | QPSK       | 23.23                     | -0.71          | 20.37     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 7         |            | 23.11                     | -0.71          | 20.25     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 14        |            | 23.11                     | -0.71          | 20.25     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 0         |            | 21.93                     | -0.71          | 19.07     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 4         |            | 22.00                     | -0.71          | 19.14     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 7         |            | 21.98                     | -0.71          | 19.12     | 7.00         | 38.45          | PASS    |
|                                         |            | 15      | 0         |            | 21.96                     | -0.71          | 19.10     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 0         | 16QAM      | 21.61                     | -0.71          | 18.75     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 7         |            | 21.65                     | -0.71          | 18.79     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 14        |            | 21.69                     | -0.71          | 18.83     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 0         |            | 21.47                     | -0.71          | 18.61     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 4         |            | 21.43                     | -0.71          | 18.57     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 7         |            | 20.95                     | -0.71          | 18.09     | 7.00         | 38.45          | PASS    |
|                                         |            | 15      | 0         |            | 21.69                     | -0.71          | 18.83     | 7.00         | 38.45          | PASS    |
|                                         | Middle     | 1       | 0         | QPSK       | 23.00                     | -0.71          | 20.14     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 7         |            | 23.17                     | -0.71          | 20.31     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 14        |            | 23.19                     | -0.71          | 20.33     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 0         |            | 22.11                     | -0.71          | 19.25     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 4         |            | 22.36                     | -0.71          | 19.50     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 7         |            | 22.28                     | -0.71          | 19.42     | 7.00         | 38.45          | PASS    |
|                                         |            | 15      | 0         |            | 22.30                     | -0.71          | 19.44     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 0         | 16QAM      | 22.86                     | -0.71          | 20.00     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 7         |            | 23.00                     | -0.71          | 20.14     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 14        |            | 22.99                     | -0.71          | 20.13     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 0         |            | 21.60                     | -0.71          | 18.74     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 4         |            | 21.63                     | -0.71          | 18.77     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 7         |            | 21.75                     | -0.71          | 18.89     | 7.00         | 38.45          | PASS    |
|                                         |            | 15      | 0         |            | 21.66                     | -0.71          | 18.80     | 7.00         | 38.45          | PASS    |
|                                         | Highest    | 1       | 0         | QPSK       | 23.52                     | -0.71          | 20.66     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 7         |            | 23.40                     | -0.71          | 20.54     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 14        |            | 23.22                     | -0.71          | 20.36     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 0         |            | 22.33                     | -0.71          | 19.47     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 4         |            | 22.31                     | -0.71          | 19.45     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 7         |            | 22.23                     | -0.71          | 19.37     | 7.00         | 38.45          | PASS    |
|                                         |            | 15      | 0         |            | 22.18                     | -0.71          | 19.32     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 0         | 16QAM      | 22.64                     | -0.71          | 19.78     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 7         |            | 22.65                     | -0.71          | 19.79     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 14        |            | 22.59                     | -0.71          | 19.73     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 0         |            | 21.65                     | -0.71          | 18.79     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 4         |            | 21.65                     | -0.71          | 18.79     | 7.00         | 38.45          | PASS    |
|                                         |            | 8       | 7         |            | 21.63                     | -0.71          | 18.77     | 7.00         | 38.45          | PASS    |
|                                         |            | 15      | 0         |            | 21.67                     | -0.71          | 18.81     | 7.00         | 38.45          | PASS    |



| Radiated Power (ERP) for LTE Band 5 /5M |            |         |           |            |                           |                |           |              |                |         |
|-----------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 5                                       | Lowest     | 1       | 0         | QPSK       | 22.97                     | -0.71          | 20.11     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 12        |            | 22.93                     | -0.71          | 20.07     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 24        |            | 22.85                     | -0.71          | 19.99     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 0         |            | 22.06                     | -0.71          | 19.20     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 6         |            | 21.96                     | -0.71          | 19.10     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 11        |            | 22.03                     | -0.71          | 19.17     | 7.00         | 38.45          | PASS    |
|                                         |            | 25      | 0         |            | 22.05                     | -0.71          | 19.19     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 0         | 16QAM      | 22.04                     | -0.71          | 19.18     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 12        |            | 21.93                     | -0.71          | 19.07     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 24        |            | 22.00                     | -0.71          | 19.14     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 0         |            | 21.54                     | -0.71          | 18.68     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 6         |            | 20.94                     | -0.71          | 18.08     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 11        |            | 20.95                     | -0.71          | 18.09     | 7.00         | 38.45          | PASS    |
|                                         |            | 25      | 0         |            | 21.12                     | -0.71          | 18.26     | 7.00         | 38.45          | PASS    |
|                                         | Middle     | 1       | 0         | QPSK       | 23.18                     | -0.71          | 20.32     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 12        |            | 23.39                     | -0.71          | 20.53     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 24        |            | 23.29                     | -0.71          | 20.43     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 0         |            | 22.17                     | -0.71          | 19.31     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 6         |            | 22.30                     | -0.71          | 19.44     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 11        |            | 22.50                     | -0.71          | 19.64     | 7.00         | 38.45          | PASS    |
|                                         |            | 25      | 0         |            | 22.28                     | -0.71          | 19.42     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 0         | 16QAM      | 22.13                     | -0.71          | 19.27     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 12        |            | 22.38                     | -0.71          | 19.52     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 24        |            | 22.31                     | -0.71          | 19.45     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 0         |            | 21.69                     | -0.71          | 18.83     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 6         |            | 21.64                     | -0.71          | 18.78     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 11        |            | 21.77                     | -0.71          | 18.91     | 7.00         | 38.45          | PASS    |
|                                         |            | 25      | 0         |            | 21.70                     | -0.71          | 18.84     | 7.00         | 38.45          | PASS    |
|                                         | Highest    | 1       | 0         | QPSK       | 23.12                     | -0.71          | 20.26     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 12        |            | 23.18                     | -0.71          | 20.32     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 24        |            | 23.19                     | -0.71          | 20.33     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 0         |            | 22.24                     | -0.71          | 19.38     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 6         |            | 22.35                     | -0.71          | 19.49     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 11        |            | 22.31                     | -0.71          | 19.45     | 7.00         | 38.45          | PASS    |
|                                         |            | 25      | 0         |            | 22.18                     | -0.71          | 19.32     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 0         | 16QAM      | 21.75                     | -0.71          | 18.89     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 12        |            | 21.87                     | -0.71          | 19.01     | 7.00         | 38.45          | PASS    |
|                                         |            | 1       | 24        |            | 21.78                     | -0.71          | 18.92     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 0         |            | 21.73                     | -0.71          | 18.87     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 6         |            | 21.73                     | -0.71          | 18.87     | 7.00         | 38.45          | PASS    |
|                                         |            | 12      | 11        |            | 21.68                     | -0.71          | 18.82     | 7.00         | 38.45          | PASS    |
|                                         |            | 25      | 0         |            | 21.57                     | -0.71          | 18.71     | 7.00         | 38.45          | PASS    |



| Radiated Power (ERP) for LTE Band 5 /10M |            |         |           |            |                           |                |           |              |                |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 10                                       | Lowest     | 1       | 0         | QPSK       | 23.07                     | -0.71          | 20.21     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 24        |            | 22.97                     | -0.71          | 20.11     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 49        |            | 23.60                     | -0.71          | 20.74     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 0         |            | 22.00                     | -0.71          | 19.14     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 12        |            | 21.99                     | -0.71          | 19.13     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 24        |            | 22.20                     | -0.71          | 19.34     | 7.00         | 38.45          | PASS    |
|                                          |            | 50      | 0         |            | 21.96                     | -0.71          | 19.10     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.48                     | -0.71          | 19.62     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 24        |            | 22.48                     | -0.71          | 19.62     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 49        |            | 23.05                     | -0.71          | 20.19     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 0         |            | 21.20                     | -0.71          | 18.34     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 12        |            | 21.39                     | -0.71          | 18.53     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 24        |            | 21.10                     | -0.71          | 18.24     | 7.00         | 38.45          | PASS    |
|                                          |            | 50      | 0         |            | 21.27                     | -0.71          | 18.41     | 7.00         | 38.45          | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 23.12                     | -0.71          | 20.26     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 24        |            | 23.33                     | -0.71          | 20.47     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 49        |            | 23.31                     | -0.71          | 20.45     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 0         |            | 22.08                     | -0.71          | 19.22     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 12        |            | 22.34                     | -0.71          | 19.48     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 24        |            | 22.38                     | -0.71          | 19.52     | 7.00         | 38.45          | PASS    |
|                                          |            | 50      | 0         |            | 22.34                     | -0.71          | 19.48     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.13                     | -0.71          | 19.27     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 24        |            | 22.37                     | -0.71          | 19.51     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 49        |            | 22.27                     | -0.71          | 19.41     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 0         |            | 21.67                     | -0.71          | 18.81     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 12        |            | 21.67                     | -0.71          | 18.81     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 24        |            | 21.71                     | -0.71          | 18.85     | 7.00         | 38.45          | PASS    |
|                                          |            | 50      | 0         |            | 21.61                     | -0.71          | 18.75     | 7.00         | 38.45          | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 23.27                     | -0.71          | 20.41     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 24        |            | 23.32                     | -0.71          | 20.46     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 49        |            | 23.31                     | -0.71          | 20.45     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 0         |            | 22.23                     | -0.71          | 19.37     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 12        |            | 22.83                     | -0.71          | 19.97     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 24        |            | 22.29                     | -0.71          | 19.43     | 7.00         | 38.45          | PASS    |
|                                          |            | 50      | 0         |            | 22.68                     | -0.71          | 19.82     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.96                     | -0.71          | 19.10     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 24        |            | 22.37                     | -0.71          | 19.51     | 7.00         | 38.45          | PASS    |
|                                          |            | 1       | 49        |            | 21.97                     | -0.71          | 19.11     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 0         |            | 21.68                     | -0.71          | 18.82     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 12        |            | 21.74                     | -0.71          | 18.88     | 7.00         | 38.45          | PASS    |
|                                          |            | 25      | 24        |            | 21.53                     | -0.71          | 18.67     | 7.00         | 38.45          | PASS    |
|                                          |            | 50      | 0         |            | 21.71                     | -0.71          | 18.85     | 7.00         | 38.45          | PASS    |



| Radiated Power (ERP) for LTE Band 12 /1.4M |            |         |           |            |                           |                |           |              |                |         |
|--------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                   | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 1.4                                        | Lowest     | 1       | 0         | QPSK       | 23.70                     | -1.18          | 20.37     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 2         |            | 23.70                     | -1.18          | 20.37     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 5         |            | 23.66                     | -1.18          | 20.33     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 0         |            | 23.52                     | -1.18          | 20.19     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 1         |            | 23.51                     | -1.18          | 20.18     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 2         |            | 23.52                     | -1.18          | 20.19     | 3.00         | 34.77          | PASS    |
|                                            |            | 6       | 0         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.65                     | -1.18          | 19.32     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 2         |            | 22.61                     | -1.18          | 19.28     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 5         |            | 22.55                     | -1.18          | 19.22     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 0         |            | 22.55                     | -1.18          | 19.22     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 1         |            | 22.50                     | -1.18          | 19.17     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 2         |            | 22.48                     | -1.18          | 19.15     | 3.00         | 34.77          | PASS    |
|                                            |            | 6       | 0         |            | 21.97                     | -1.18          | 18.64     | 3.00         | 34.77          | PASS    |
|                                            | Middle     | 1       | 0         | QPSK       | 23.30                     | -1.18          | 19.97     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 2         |            | 23.40                     | -1.18          | 20.07     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 5         |            | 23.40                     | -1.18          | 20.07     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 0         |            | 23.42                     | -1.18          | 20.09     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 1         |            | 23.50                     | -1.18          | 20.17     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 2         |            | 23.45                     | -1.18          | 20.12     | 3.00         | 34.77          | PASS    |
|                                            |            | 6       | 0         |            | 22.39                     | -1.18          | 19.06     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 23.15                     | -1.18          | 19.82     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 2         |            | 23.17                     | -1.18          | 19.84     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 5         |            | 23.12                     | -1.18          | 19.79     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 0         |            | 22.36                     | -1.18          | 19.03     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 1         |            | 22.35                     | -1.18          | 19.02     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 2         |            | 22.38                     | -1.18          | 19.05     | 3.00         | 34.77          | PASS    |
|                                            |            | 6       | 0         |            | 21.64                     | -1.18          | 18.31     | 3.00         | 34.77          | PASS    |
|                                            | Highest    | 1       | 0         | QPSK       | 23.56                     | -1.18          | 20.23     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 2         |            | 23.59                     | -1.18          | 20.26     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 5         |            | 23.54                     | -1.18          | 20.21     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 0         |            | 23.45                     | -1.18          | 20.12     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 1         |            | 23.43                     | -1.18          | 20.10     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 2         |            | 23.47                     | -1.18          | 20.14     | 3.00         | 34.77          | PASS    |
|                                            |            | 6       | 0         |            | 22.45                     | -1.18          | 19.12     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.77                     | -1.18          | 19.44     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 2         |            | 22.78                     | -1.18          | 19.45     | 3.00         | 34.77          | PASS    |
|                                            |            | 1       | 5         |            | 22.77                     | -1.18          | 19.44     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 0         |            | 22.51                     | -1.18          | 19.18     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 1         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                            |            | 3       | 2         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                            |            | 6       | 0         |            | 22.09                     | -1.18          | 18.76     | 3.00         | 34.77          | PASS    |



| Radiated Power (ERP) for LTE Band 12 /3M |            |         |           |            |                           |                |           |              |                |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 3                                        | Lowest     | 1       | 0         | QPSK       | 23.39                     | -1.18          | 20.06     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 7         |            | 23.38                     | -1.18          | 20.05     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 14        |            | 23.22                     | -1.18          | 19.89     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 0         |            | 22.47                     | -1.18          | 19.14     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 4         |            | 22.48                     | -1.18          | 19.15     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 7         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 15      | 0         |            | 22.39                     | -1.18          | 19.06     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 23.25                     | -1.18          | 19.92     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 7         |            | 23.24                     | -1.18          | 19.91     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 14        |            | 23.25                     | -1.18          | 19.92     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 0         |            | 22.01                     | -1.18          | 18.68     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 4         |            | 21.96                     | -1.18          | 18.63     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 7         |            | 21.51                     | -1.18          | 18.18     | 3.00         | 34.77          | PASS    |
|                                          |            | 15      | 0         |            | 22.04                     | -1.18          | 18.71     | 3.00         | 34.77          | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 23.70                     | -1.18          | 20.37     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 7         |            | 23.73                     | -1.18          | 20.40     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 14        |            | 23.71                     | -1.18          | 20.38     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 0         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 4         |            | 22.50                     | -1.18          | 19.17     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 7         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 15      | 0         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.95                     | -1.18          | 19.62     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 7         |            | 22.92                     | -1.18          | 19.59     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 14        |            | 22.96                     | -1.18          | 19.63     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 0         |            | 21.93                     | -1.18          | 18.60     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 4         |            | 21.47                     | -1.18          | 18.14     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 7         |            | 21.53                     | -1.18          | 18.20     | 3.00         | 34.77          | PASS    |
|                                          |            | 15      | 0         |            | 21.83                     | -1.18          | 18.50     | 3.00         | 34.77          | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 23.48                     | -1.18          | 20.15     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 7         |            | 23.48                     | -1.18          | 20.15     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 14        |            | 23.43                     | -1.18          | 20.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 0         |            | 22.46                     | -1.18          | 19.13     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 4         |            | 22.46                     | -1.18          | 19.13     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 7         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 15      | 0         |            | 22.54                     | -1.18          | 19.21     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.05                     | -1.18          | 18.72     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 7         |            | 22.05                     | -1.18          | 18.72     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 14        |            | 22.12                     | -1.18          | 18.79     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 0         |            | 21.52                     | -1.18          | 18.19     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 4         |            | 21.50                     | -1.18          | 18.17     | 3.00         | 34.77          | PASS    |
|                                          |            | 8       | 7         |            | 22.18                     | -1.18          | 18.85     | 3.00         | 34.77          | PASS    |
|                                          |            | 15      | 0         |            | 21.28                     | -1.18          | 17.95     | 3.00         | 34.77          | PASS    |



| Radiated Power (ERP) for LTE Band 12 /5M |            |         |           |            |                           |                |           |              |                |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 5                                        | Lowest     | 1       | 0         | QPSK       | 23.51                     | -1.18          | 20.18     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 23.35                     | -1.18          | 20.02     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 23.55                     | -1.18          | 20.22     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.36                     | -1.18          | 19.03     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.45                     | -1.18          | 19.12     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 22.54                     | -1.18          | 19.21     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.49                     | -1.18          | 19.16     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.87                     | -1.18          | 19.54     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 22.83                     | -1.18          | 19.50     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 22.83                     | -1.18          | 19.50     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 21.80                     | -1.18          | 18.47     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 21.45                     | -1.18          | 18.12     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 21.38                     | -1.18          | 18.05     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 21.62                     | -1.18          | 18.29     | 3.00         | 34.77          | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 23.53                     | -1.18          | 20.20     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 23.43                     | -1.18          | 20.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 23.51                     | -1.18          | 20.18     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.27                     | -1.18          | 18.94     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.53                     | -1.18          | 19.20     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 22.39                     | -1.18          | 19.06     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.41                     | -1.18          | 19.08     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.33                     | -1.18          | 19.00     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 22.25                     | -1.18          | 18.92     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 22.48                     | -1.18          | 19.15     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.07                     | -1.18          | 18.74     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 21.46                     | -1.18          | 18.13     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 21.61                     | -1.18          | 18.28     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 21.55                     | -1.18          | 18.22     | 3.00         | 34.77          | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 23.24                     | -1.18          | 19.91     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 23.36                     | -1.18          | 20.03     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 23.38                     | -1.18          | 20.05     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.58                     | -1.18          | 19.25     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.56                     | -1.18          | 19.23     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 22.28                     | -1.18          | 18.95     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.42                     | -1.18          | 19.09     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 21.98                     | -1.18          | 18.65     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 22.02                     | -1.18          | 18.69     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 22.01                     | -1.18          | 18.68     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 21.37                     | -1.18          | 18.04     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 21.48                     | -1.18          | 18.15     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 21.42                     | -1.18          | 18.09     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 21.26                     | -1.18          | 17.93     | 3.00         | 34.77          | PASS    |



| Radiated Power (ERP) for LTE Band 12 /10M |            |         |           |            |                           |                |           |              |                |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 10                                        | Lowest     | 1       | 0         | QPSK       | 23.66                     | -1.18          | 20.33     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 23.64                     | -1.18          | 20.31     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.54                     | -1.18          | 20.21     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.37                     | -1.18          | 19.04     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.58                     | -1.18          | 19.25     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.45                     | -1.18          | 19.12     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.40                     | -1.18          | 19.07     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.10                     | -1.18          | 18.77     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 22.08                     | -1.18          | 18.75     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 22.16                     | -1.18          | 18.83     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 21.41                     | -1.18          | 18.08     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 21.36                     | -1.18          | 18.03     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.09                     | -1.18          | 18.76     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 21.28                     | -1.18          | 17.95     | 3.00         | 34.77          | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 23.36                     | -1.18          | 20.03     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 23.30                     | -1.18          | 19.97     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.28                     | -1.18          | 19.95     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.32                     | -1.18          | 18.99     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.55                     | -1.18          | 19.22     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.87                     | -1.18          | 19.54     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 22.89                     | -1.18          | 19.56     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.00                     | -1.18          | 19.67     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.09                     | -1.18          | 18.76     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 21.53                     | -1.18          | 18.20     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.11                     | -1.18          | 18.78     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 21.68                     | -1.18          | 18.35     | 3.00         | 34.77          | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 23.61                     | -1.18          | 20.28     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 23.70                     | -1.18          | 20.37     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.76                     | -1.18          | 20.43     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.42                     | -1.18          | 19.09     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.55                     | -1.18          | 19.22     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.56                     | -1.18          | 19.23     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.73                     | -1.18          | 19.40     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 22.84                     | -1.18          | 19.51     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 22.78                     | -1.18          | 19.45     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 21.55                     | -1.18          | 18.22     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.02                     | -1.18          | 18.69     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 21.51                     | -1.18          | 18.18     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.03                     | -1.18          | 18.70     | 3.00         | 34.77          | PASS    |



| Radiated Power (ERP) for LTE Band 17 /5M |            |         |           |            |                           |                |           |              |                |         |
|------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                 | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 5                                        | Lowest     | 1       | 0         | QPSK       | 23.58                     | -1.18          | 20.25     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 23.50                     | -1.18          | 20.17     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 23.57                     | -1.18          | 20.24     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.40                     | -1.18          | 19.07     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 22.66                     | -1.18          | 19.33     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.41                     | -1.18          | 19.08     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.31                     | -1.18          | 18.98     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 22.24                     | -1.18          | 18.91     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 22.19                     | -1.18          | 18.86     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.19                     | -1.18          | 18.86     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.16                     | -1.18          | 18.83     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 21.66                     | -1.18          | 18.33     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.09                     | -1.18          | 18.76     | 3.00         | 34.77          | PASS    |
|                                          | Middle     | 1       | 0         | QPSK       | 23.42                     | -1.18          | 20.09     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 23.45                     | -1.18          | 20.12     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 23.36                     | -1.18          | 20.03     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.60                     | -1.18          | 19.27     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.51                     | -1.18          | 19.18     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 22.65                     | -1.18          | 19.32     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.45                     | -1.18          | 19.12     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 22.40                     | -1.18          | 19.07     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 22.56                     | -1.18          | 19.23     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 21.57                     | -1.18          | 18.24     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.01                     | -1.18          | 18.68     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 21.32                     | -1.18          | 17.99     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.11                     | -1.18          | 18.78     | 3.00         | 34.77          | PASS    |
|                                          | Highest    | 1       | 0         | QPSK       | 23.56                     | -1.18          | 20.23     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 23.61                     | -1.18          | 20.28     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 23.48                     | -1.18          | 20.15     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 22.79                     | -1.18          | 19.46     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 22.47                     | -1.18          | 19.14     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 22.43                     | -1.18          | 19.10     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 22.53                     | -1.18          | 19.20     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 0         | 16QAM      | 22.58                     | -1.18          | 19.25     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 12        |            | 22.58                     | -1.18          | 19.25     | 3.00         | 34.77          | PASS    |
|                                          |            | 1       | 24        |            | 22.40                     | -1.18          | 19.07     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 0         |            | 21.49                     | -1.18          | 18.16     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 6         |            | 21.47                     | -1.18          | 18.14     | 3.00         | 34.77          | PASS    |
|                                          |            | 12      | 11        |            | 21.45                     | -1.18          | 18.12     | 3.00         | 34.77          | PASS    |
|                                          |            | 25      | 0         |            | 21.47                     | -1.18          | 18.14     | 3.00         | 34.77          | PASS    |



| Radiated Power (ERP) for LTE Band 17 /10M |            |         |           |            |                           |                |           |              |                |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|-----------|--------------|----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | ERP (dBm) | ERP Limit(W) | ERP Limit(dBm) | Verdict |
| 10                                        | Lowest     | 1       | 0         | QPSK       | 23.75                     | -1.18          | 20.42     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 23.57                     | -1.18          | 20.24     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.56                     | -1.18          | 20.23     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.61                     | -1.18          | 19.28     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.39                     | -1.18          | 19.06     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.37                     | -1.18          | 19.04     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.04                     | -1.18          | 18.71     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 22.09                     | -1.18          | 18.76     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 22.26                     | -1.18          | 18.93     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.04                     | -1.18          | 18.71     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 21.56                     | -1.18          | 18.23     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 21.66                     | -1.18          | 18.33     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 21.55                     | -1.18          | 18.22     | 3.00         | 34.77          | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 23.36                     | -1.18          | 20.03     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 23.32                     | -1.18          | 19.99     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.32                     | -1.18          | 19.99     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.46                     | -1.18          | 19.13     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.60                     | -1.18          | 19.27     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.57                     | -1.18          | 19.24     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.86                     | -1.18          | 19.53     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 22.92                     | -1.18          | 19.59     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 22.97                     | -1.18          | 19.64     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 21.63                     | -1.18          | 18.30     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.11                     | -1.18          | 18.78     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 21.47                     | -1.18          | 18.14     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.20                     | -1.18          | 18.87     | 3.00         | 34.77          | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 23.66                     | -1.18          | 20.33     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 23.68                     | -1.18          | 20.35     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 23.67                     | -1.18          | 20.34     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 22.15                     | -1.18          | 18.82     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.57                     | -1.18          | 19.24     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 22.53                     | -1.18          | 19.20     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.52                     | -1.18          | 19.19     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.80                     | -1.18          | 19.47     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 24        |            | 22.79                     | -1.18          | 19.46     | 3.00         | 34.77          | PASS    |
|                                           |            | 1       | 49        |            | 22.82                     | -1.18          | 19.49     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 0         |            | 21.45                     | -1.18          | 18.12     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 12        |            | 22.04                     | -1.18          | 18.71     | 3.00         | 34.77          | PASS    |
|                                           |            | 25      | 24        |            | 21.44                     | -1.18          | 18.11     | 3.00         | 34.77          | PASS    |
|                                           |            | 50      | 0         |            | 22.09                     | -1.18          | 18.76     | 3.00         | 34.77          | PASS    |



| Radiated Power (EIRP) for LTE Band 66 /1.4M |            |         |           |            |                           |                |            |               |                 |         |
|---------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                    | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 1.4                                         | Lowest     | 1       | 0         | QPSK       | 23.14                     | 0.67           | 23.81      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 2         |            | 23.13                     | 0.67           | 23.80      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 5         |            | 23.13                     | 0.67           | 23.80      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 0         |            | 22.87                     | 0.67           | 23.54      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 1         |            | 22.85                     | 0.67           | 23.52      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 2         |            | 22.91                     | 0.67           | 23.58      | 1.00          | 30.00           | PASS    |
|                                             |            | 6       | 0         |            | 21.92                     | 0.67           | 22.59      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 0         | 16QAM      | 22.23                     | 0.67           | 22.90      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 2         |            | 22.21                     | 0.67           | 22.88      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 5         |            | 22.16                     | 0.67           | 22.83      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 0         |            | 22.01                     | 0.67           | 22.68      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 1         |            | 22.00                     | 0.67           | 22.67      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 2         |            | 21.96                     | 0.67           | 22.63      | 1.00          | 30.00           | PASS    |
|                                             |            | 6       | 0         |            | 20.92                     | 0.67           | 21.59      | 1.00          | 30.00           | PASS    |
|                                             | Middle     | 1       | 0         | QPSK       | 22.62                     | 0.67           | 23.29      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 2         |            | 22.81                     | 0.67           | 23.48      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 5         |            | 22.66                     | 0.67           | 23.33      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 0         |            | 22.77                     | 0.67           | 23.44      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 1         |            | 22.79                     | 0.67           | 23.46      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 2         |            | 22.82                     | 0.67           | 23.49      | 1.00          | 30.00           | PASS    |
|                                             |            | 6       | 0         |            | 21.84                     | 0.67           | 22.51      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 0         | 16QAM      | 22.12                     | 0.67           | 22.79      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 2         |            | 22.13                     | 0.67           | 22.80      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 5         |            | 22.16                     | 0.67           | 22.83      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 0         |            | 22.23                     | 0.67           | 22.90      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 1         |            | 22.12                     | 0.67           | 22.79      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 2         |            | 22.22                     | 0.67           | 22.89      | 1.00          | 30.00           | PASS    |
|                                             |            | 6       | 0         |            | 20.80                     | 0.67           | 21.47      | 1.00          | 30.00           | PASS    |
|                                             | Highest    | 1       | 0         | QPSK       | 22.91                     | 0.67           | 23.58      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 2         |            | 22.77                     | 0.67           | 23.44      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 5         |            | 22.83                     | 0.67           | 23.50      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 0         |            | 22.76                     | 0.67           | 23.43      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 1         |            | 22.79                     | 0.67           | 23.46      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 2         |            | 22.72                     | 0.67           | 23.39      | 1.00          | 30.00           | PASS    |
|                                             |            | 6       | 0         |            | 21.68                     | 0.67           | 22.35      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 0         | 16QAM      | 22.15                     | 0.67           | 22.82      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 2         |            | 22.16                     | 0.67           | 22.83      | 1.00          | 30.00           | PASS    |
|                                             |            | 1       | 5         |            | 22.14                     | 0.67           | 22.81      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 0         |            | 21.99                     | 0.67           | 22.66      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 1         |            | 21.85                     | 0.67           | 22.52      | 1.00          | 30.00           | PASS    |
|                                             |            | 3       | 2         |            | 21.83                     | 0.67           | 22.50      | 1.00          | 30.00           | PASS    |
|                                             |            | 6       | 0         |            | 20.78                     | 0.67           | 21.45      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 66 /3M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 3                                         | Lowest     | 1       | 0         | QPSK       | 23.09                     | 0.67           | 23.76      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 7         |            | 23.06                     | 0.67           | 23.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 14        |            | 23.06                     | 0.67           | 23.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 0         |            | 21.86                     | 0.67           | 22.53      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 4         |            | 21.79                     | 0.67           | 22.46      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 7         |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                           |            | 15      | 0         |            | 21.77                     | 0.67           | 22.44      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.57                     | 0.67           | 22.24      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 7         |            | 21.58                     | 0.67           | 22.25      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 14        |            | 21.59                     | 0.67           | 22.26      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 0         |            | 20.89                     | 0.67           | 21.56      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 4         |            | 20.86                     | 0.67           | 21.53      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 7         |            | 20.87                     | 0.67           | 21.54      | 1.00          | 30.00           | PASS    |
|                                           |            | 15      | 0         |            | 21.06                     | 0.67           | 21.73      | 1.00          | 30.00           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.59                     | 0.67           | 23.26      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 7         |            | 22.83                     | 0.67           | 23.50      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 14        |            | 22.73                     | 0.67           | 23.40      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 0         |            | 21.77                     | 0.67           | 22.44      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 4         |            | 21.83                     | 0.67           | 22.50      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 7         |            | 21.78                     | 0.67           | 22.45      | 1.00          | 30.00           | PASS    |
|                                           |            | 15      | 0         |            | 21.65                     | 0.67           | 22.32      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.22                     | 0.67           | 22.89      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 7         |            | 22.22                     | 0.67           | 22.89      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 14        |            | 21.94                     | 0.67           | 22.61      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 0         |            | 20.80                     | 0.67           | 21.47      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 4         |            | 20.86                     | 0.67           | 21.53      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 7         |            | 20.85                     | 0.67           | 21.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 15      | 0         |            | 20.88                     | 0.67           | 21.55      | 1.00          | 30.00           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.91                     | 0.67           | 23.58      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 7         |            | 22.91                     | 0.67           | 23.58      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 14        |            | 22.83                     | 0.67           | 23.50      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 0         |            | 21.65                     | 0.67           | 22.32      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 4         |            | 21.67                     | 0.67           | 22.34      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 7         |            | 21.71                     | 0.67           | 22.38      | 1.00          | 30.00           | PASS    |
|                                           |            | 15      | 0         |            | 21.85                     | 0.67           | 22.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.21                     | 0.67           | 22.88      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 7         |            | 22.15                     | 0.67           | 22.82      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 14        |            | 22.14                     | 0.67           | 22.81      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 0         |            | 20.73                     | 0.67           | 21.40      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 4         |            | 20.86                     | 0.67           | 21.53      | 1.00          | 30.00           | PASS    |
|                                           |            | 8       | 7         |            | 20.81                     | 0.67           | 21.48      | 1.00          | 30.00           | PASS    |
|                                           |            | 15      | 0         |            | 20.85                     | 0.67           | 21.52      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 66 /5M |            |         |           |            |                           |                |            |               |                 |         |
|-------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                  | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 5                                         | Lowest     | 1       | 0         | QPSK       | 22.88                     | 0.67           | 23.55      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 12        |            | 22.85                     | 0.67           | 23.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.81                     | 0.67           | 23.48      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 0         |            | 21.85                     | 0.67           | 22.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 6         |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 11        |            | 21.81                     | 0.67           | 22.48      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.83                     | 0.67           | 22.50      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 22.28                     | 0.67           | 22.95      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 12        |            | 22.28                     | 0.67           | 22.95      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.32                     | 0.67           | 22.99      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 0         |            | 20.75                     | 0.67           | 21.42      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 6         |            | 20.84                     | 0.67           | 21.51      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 11        |            | 20.75                     | 0.67           | 21.42      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 20.99                     | 0.67           | 21.66      | 1.00          | 30.00           | PASS    |
|                                           | Middle     | 1       | 0         | QPSK       | 22.93                     | 0.67           | 23.60      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 12        |            | 22.96                     | 0.67           | 23.63      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.87                     | 0.67           | 23.54      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 0         |            | 21.55                     | 0.67           | 22.22      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 6         |            | 21.79                     | 0.67           | 22.46      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 11        |            | 22.06                     | 0.67           | 22.73      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.82                     | 0.67           | 22.49      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.98                     | 0.67           | 22.65      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 12        |            | 21.91                     | 0.67           | 22.58      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 21.90                     | 0.67           | 22.57      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 0         |            | 20.80                     | 0.67           | 21.47      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 6         |            | 20.83                     | 0.67           | 21.50      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 11        |            | 20.85                     | 0.67           | 21.52      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 20.83                     | 0.67           | 21.50      | 1.00          | 30.00           | PASS    |
|                                           | Highest    | 1       | 0         | QPSK       | 22.75                     | 0.67           | 23.42      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 12        |            | 22.75                     | 0.67           | 23.42      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 22.68                     | 0.67           | 23.35      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 0         |            | 21.67                     | 0.67           | 22.34      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 6         |            | 21.78                     | 0.67           | 22.45      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 11        |            | 21.70                     | 0.67           | 22.37      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 21.64                     | 0.67           | 22.31      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 0         | 16QAM      | 21.32                     | 0.67           | 21.99      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 12        |            | 21.33                     | 0.67           | 22.00      | 1.00          | 30.00           | PASS    |
|                                           |            | 1       | 24        |            | 21.30                     | 0.67           | 21.97      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 0         |            | 20.74                     | 0.67           | 21.41      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 6         |            | 20.77                     | 0.67           | 21.44      | 1.00          | 30.00           | PASS    |
|                                           |            | 12      | 11        |            | 20.69                     | 0.67           | 21.36      | 1.00          | 30.00           | PASS    |
|                                           |            | 25      | 0         |            | 20.76                     | 0.67           | 21.43      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 66 /10M |            |         |           |            |                           |                |            |               |                 |         |
|--------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                   | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 10                                         | Lowest     | 1       | 0         | QPSK       | 23.07                     | 0.67           | 23.74      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 24        |            | 23.11                     | 0.67           | 23.78      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 23.13                     | 0.67           | 23.80      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 0         |            | 21.89                     | 0.67           | 22.56      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 12        |            | 21.90                     | 0.67           | 22.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 24        |            | 21.81                     | 0.67           | 22.48      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 21.61                     | 0.67           | 22.28      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 24        |            | 21.54                     | 0.67           | 22.21      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 21.58                     | 0.67           | 22.25      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 0         |            | 20.96                     | 0.67           | 21.63      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 12        |            | 21.11                     | 0.67           | 21.78      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 24        |            | 20.94                     | 0.67           | 21.61      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 20.98                     | 0.67           | 21.65      | 1.00          | 30.00           | PASS    |
|                                            | Middle     | 1       | 0         | QPSK       | 22.59                     | 0.67           | 23.26      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 24        |            | 22.70                     | 0.67           | 23.37      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 22.74                     | 0.67           | 23.41      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 0         |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 12        |            | 21.72                     | 0.67           | 22.39      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 24        |            | 21.79                     | 0.67           | 22.46      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.87                     | 0.67           | 22.54      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.32                     | 0.67           | 22.99      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 24        |            | 22.30                     | 0.67           | 22.97      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 22.34                     | 0.67           | 23.01      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 0         |            | 20.98                     | 0.67           | 21.65      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 12        |            | 20.92                     | 0.67           | 21.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 24        |            | 20.98                     | 0.67           | 21.65      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.06                     | 0.67           | 21.73      | 1.00          | 30.00           | PASS    |
|                                            | Highest    | 1       | 0         | QPSK       | 22.91                     | 0.67           | 23.58      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 24        |            | 22.79                     | 0.67           | 23.46      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 22.88                     | 0.67           | 23.55      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 0         |            | 21.77                     | 0.67           | 22.44      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 12        |            | 21.64                     | 0.67           | 22.31      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 24        |            | 21.92                     | 0.67           | 22.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.78                     | 0.67           | 22.45      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.02                     | 0.67           | 22.69      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 24        |            | 21.95                     | 0.67           | 22.62      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 21.90                     | 0.67           | 22.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 0         |            | 20.92                     | 0.67           | 21.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 12        |            | 20.97                     | 0.67           | 21.64      | 1.00          | 30.00           | PASS    |
|                                            |            | 25      | 24        |            | 20.83                     | 0.67           | 21.50      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 20.86                     | 0.67           | 21.53      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 66 /15M |            |         |           |            |                           |                |            |               |                 |         |
|--------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                   | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 15                                         | Lowest     | 1       | 0         | QPSK       | 23.03                     | 0.67           | 23.70      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 37        |            | 23.14                     | 0.67           | 23.81      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 74        |            | 23.21                     | 0.67           | 23.88      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 0         |            | 22.12                     | 0.67           | 22.79      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 18        |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 39        |            | 21.89                     | 0.67           | 22.56      | 1.00          | 30.00           | PASS    |
|                                            |            | 75      | 0         |            | 21.86                     | 0.67           | 22.53      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 21.59                     | 0.67           | 22.26      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 37        |            | 21.53                     | 0.67           | 22.20      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 74        |            | 21.63                     | 0.67           | 22.30      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 0         |            | 20.90                     | 0.67           | 21.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 18        |            | 21.01                     | 0.67           | 21.68      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 39        |            | 20.97                     | 0.67           | 21.64      | 1.00          | 30.00           | PASS    |
|                                            |            | 75      | 0         |            | 21.12                     | 0.67           | 21.79      | 1.00          | 30.00           | PASS    |
|                                            | Middle     | 1       | 0         | QPSK       | 22.55                     | 0.67           | 23.22      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 37        |            | 22.63                     | 0.67           | 23.30      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 74        |            | 22.59                     | 0.67           | 23.26      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 0         |            | 21.84                     | 0.67           | 22.51      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 18        |            | 21.73                     | 0.67           | 22.40      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 39        |            | 21.90                     | 0.67           | 22.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 75      | 0         |            | 21.71                     | 0.67           | 22.38      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.33                     | 0.67           | 23.00      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 37        |            | 22.31                     | 0.67           | 22.98      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 74        |            | 22.26                     | 0.67           | 22.93      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 0         |            | 20.83                     | 0.67           | 21.50      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 18        |            | 20.79                     | 0.67           | 21.46      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 39        |            | 20.78                     | 0.67           | 21.45      | 1.00          | 30.00           | PASS    |
|                                            |            | 75      | 0         |            | 20.88                     | 0.67           | 21.55      | 1.00          | 30.00           | PASS    |
|                                            | Highest    | 1       | 0         | QPSK       | 23.01                     | 0.67           | 23.68      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 37        |            | 22.97                     | 0.67           | 23.64      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 74        |            | 22.90                     | 0.67           | 23.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 0         |            | 21.85                     | 0.67           | 22.52      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 18        |            | 21.85                     | 0.67           | 22.52      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 39        |            | 21.70                     | 0.67           | 22.37      | 1.00          | 30.00           | PASS    |
|                                            |            | 75      | 0         |            | 21.82                     | 0.67           | 22.49      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 21.75                     | 0.67           | 22.42      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 37        |            | 21.70                     | 0.67           | 22.37      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 74        |            | 21.59                     | 0.67           | 22.26      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 0         |            | 20.84                     | 0.67           | 21.51      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 18        |            | 20.87                     | 0.67           | 21.54      | 1.00          | 30.00           | PASS    |
|                                            |            | 36      | 39        |            | 20.78                     | 0.67           | 21.45      | 1.00          | 30.00           | PASS    |
|                                            |            | 75      | 0         |            | 20.93                     | 0.67           | 21.60      | 1.00          | 30.00           | PASS    |



| Radiated Power (EIRP) for LTE Band 66 /20M |            |         |           |            |                           |                |            |               |                 |         |
|--------------------------------------------|------------|---------|-----------|------------|---------------------------|----------------|------------|---------------|-----------------|---------|
| BW (MHz)                                   | UL Channel | RB Size | RB offset | Modulation | Conduction AVG Power(dBm) | Ant Gain (dBi) | EIRP (dBm) | EIRP Limit(W) | EIRP Limit(dBm) | Verdict |
| 20                                         | Lowest     | 1       | 0         | QPSK       | 23.00                     | 0.67           | 23.67      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 23.30                     | 0.67           | 23.97      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 99        |            | 23.11                     | 0.67           | 23.78      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.92                     | 0.67           | 22.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 24        |            | 21.90                     | 0.67           | 22.57      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 49        |            | 22.01                     | 0.67           | 22.68      | 1.00          | 30.00           | PASS    |
|                                            |            | 100     | 0         |            | 21.84                     | 0.67           | 22.51      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 21.99                     | 0.67           | 22.66      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 21.96                     | 0.67           | 22.63      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 99        |            | 22.17                     | 0.67           | 22.84      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 20.91                     | 0.67           | 21.58      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 24        |            | 21.12                     | 0.67           | 21.79      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 49        |            | 21.04                     | 0.67           | 21.71      | 1.00          | 30.00           | PASS    |
|                                            |            | 100     | 0         |            | 21.04                     | 0.67           | 21.71      | 1.00          | 30.00           | PASS    |
|                                            | Middle     | 1       | 0         | QPSK       | 23.02                     | 0.67           | 23.69      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 22.95                     | 0.67           | 23.62      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 99        |            | 23.02                     | 0.67           | 23.69      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.87                     | 0.67           | 22.54      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 24        |            | 21.74                     | 0.67           | 22.41      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 49        |            | 21.86                     | 0.67           | 22.53      | 1.00          | 30.00           | PASS    |
|                                            |            | 100     | 0         |            | 21.66                     | 0.67           | 22.33      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 22.27                     | 0.67           | 22.94      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 22.21                     | 0.67           | 22.88      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 99        |            | 22.22                     | 0.67           | 22.89      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 20.97                     | 0.67           | 21.64      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 24        |            | 20.98                     | 0.67           | 21.65      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 49        |            | 20.95                     | 0.67           | 21.62      | 1.00          | 30.00           | PASS    |
|                                            |            | 100     | 0         |            | 20.99                     | 0.67           | 21.66      | 1.00          | 30.00           | PASS    |
|                                            | Highest    | 1       | 0         | QPSK       | 22.66                     | 0.67           | 23.33      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 22.83                     | 0.67           | 23.50      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 99        |            | 22.76                     | 0.67           | 23.43      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 24        |            | 21.74                     | 0.67           | 22.41      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 49        |            | 21.71                     | 0.67           | 22.38      | 1.00          | 30.00           | PASS    |
|                                            |            | 100     | 0         |            | 21.80                     | 0.67           | 22.47      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 0         | 16QAM      | 21.84                     | 0.67           | 22.51      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 49        |            | 21.83                     | 0.67           | 22.50      | 1.00          | 30.00           | PASS    |
|                                            |            | 1       | 99        |            | 21.84                     | 0.67           | 22.51      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 0         |            | 20.98                     | 0.67           | 21.65      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 24        |            | 20.92                     | 0.67           | 21.59      | 1.00          | 30.00           | PASS    |
|                                            |            | 50      | 49        |            | 20.86                     | 0.67           | 21.53      | 1.00          | 30.00           | PASS    |
|                                            |            | 100     | 0         |            | 20.86                     | 0.67           | 21.53      | 1.00          | 30.00           | PASS    |

## 5.2 PEAK TO AVERAGE RATIO

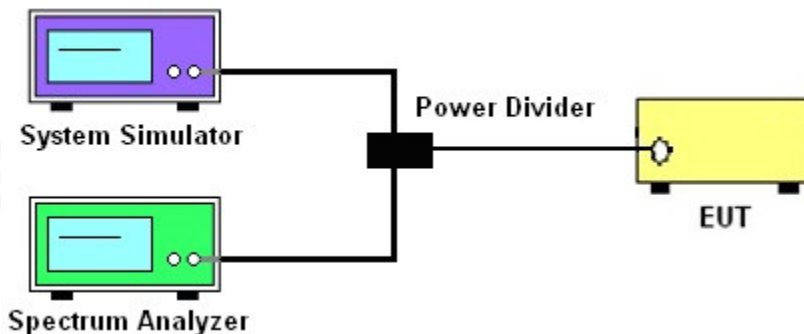
### TEST OVERVIEW

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 db.

### TEST PROCEDURES

1. The testing follows FCC KDB 971168 v03r01 section.
2. The eut was connected to the peak and av system simulator& spectrum analyzer.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure average power of the spectrum analysis,

### TEST SETUP



### TEST RESULT

Note: The test data please reference to attachment “STS2507194W09\_Appendix GSM” , “STS2507194W09\_Appendix WCDMA” and “STS2507194W09\_Appendix LTE”.

### 5.3 OCCUPIED BANDWIDTH

#### TEST OVERVIEW

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

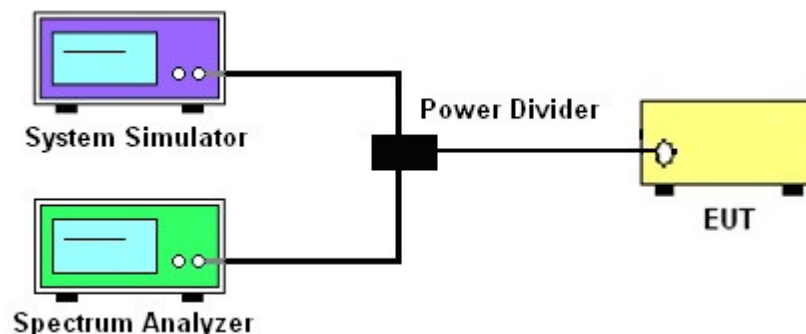
The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

All modes of operation were investigated and the worst case configuration results are reported in this section.

#### TEST PROCEDURE

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW  $\geq 3 \times$  RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

#### TEST SETUP



#### TEST RESULT

Note: The test data please reference to attachment “STS2507194W09\_Appendix GSM” , “STS2507194W09\_Appendix WCDMA” and “STS2507194W09\_Appendix LTE”.

## 5.4 FREQUENCY STABILITY

### TEST OVERVIEW

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26 2015.

The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5$  ppm) of the center frequency. For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

### TEST PROCEDURE

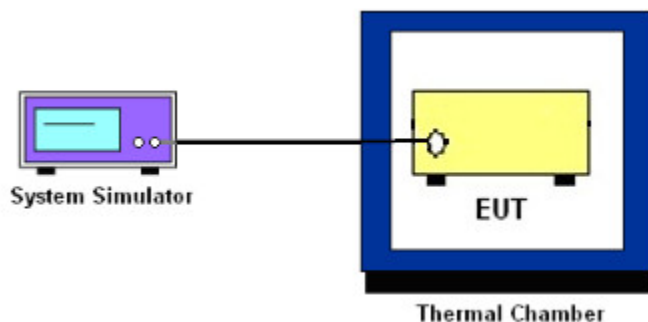
#### Temperature Variation

1. The testing follows FCC KDB 971168 D01 section 9.0
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

#### Voltage Variation

1. The testing follows FCC KDB 971168 D01 Section 9.0.
2. The EUT was placed in a temperature chamber at  $25 \pm 5^\circ \text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

### TEST SETUP



TEST RESULT

| GSM 850 /836.6MHz |                   |                    |                     |        |        |
|-------------------|-------------------|--------------------|---------------------|--------|--------|
| Temperature (°C)  | Voltage<br>(Volt) | Freq. Dev.<br>(Hz) | Freq. Dev.<br>(ppm) | Limit  | Result |
| 50                | Normal Voltage    | 17.19              | 0.021               | 2.5ppm | PASS   |
| 40                |                   | 25.15              | 0.030               |        |        |
| 30                |                   | 24.38              | 0.029               |        |        |
| 20                |                   | 21.00              | 0.025               |        |        |
| 10                |                   | 26.97              | 0.032               |        |        |
| 0                 |                   | 20.83              | 0.025               |        |        |
| -10               |                   | 24.39              | 0.029               |        |        |
| -20               |                   | 31.26              | 0.037               |        |        |
| -30               |                   | 23.02              | 0.028               |        |        |
| 20                | Maximum Voltage   | 16.60              | 0.020               |        |        |
| 20                | BEP               | 17.07              | 0.020               |        |        |

| GPRS 850 /836.6MHz |                   |                    |                     |        |        |
|--------------------|-------------------|--------------------|---------------------|--------|--------|
| Temperature (°C)   | Voltage<br>(Volt) | Freq. Dev.<br>(Hz) | Freq. Dev.<br>(ppm) | Limit  | Result |
| 50                 | Normal Voltage    | 25.92              | 0.031               | 2.5ppm | PASS   |
| 40                 |                   | 12.83              | 0.015               |        |        |
| 30                 |                   | 33.41              | 0.040               |        |        |
| 20                 |                   | 31.01              | 0.037               |        |        |
| 10                 |                   | 28.63              | 0.034               |        |        |
| 0                  |                   | 15.06              | 0.018               |        |        |
| -10                |                   | 26.39              | 0.032               |        |        |
| -20                |                   | 14.90              | 0.018               |        |        |
| -30                |                   | 20.01              | 0.024               |        |        |
| 20                 | Maximum Voltage   | 25.27              | 0.030               |        |        |
| 20                 | BEP               | 20.90              | 0.025               |        |        |



| GSM 1900 / 1880MHz  |                    |               |               |                           |        |
|---------------------|--------------------|---------------|---------------|---------------------------|--------|
| Temperature<br>(°C) | Voltage            | Freq.<br>Dev. | Freq.<br>Dev. | Limit                     | Result |
|                     | (Volt)             | (Hz)          | (ppm)         |                           |        |
| 50                  | Normal Voltage     | 34.50         | 0.018         | Within Authorized<br>Band | PASS   |
| 40                  |                    | 22.56         | 0.012         |                           |        |
| 30                  |                    | 12.17         | 0.006         |                           |        |
| 20                  |                    | 24.80         | 0.013         |                           |        |
| 10                  |                    | 29.29         | 0.016         |                           |        |
| 0                   |                    | 14.06         | 0.007         |                           |        |
| -10                 |                    | 22.16         | 0.012         |                           |        |
| -20                 |                    | 12.28         | 0.007         |                           |        |
| -30                 |                    | 30.75         | 0.016         |                           |        |
| 20                  | Maximum<br>Voltage | 22.16         | 0.012         |                           |        |
| 20                  | BEP                | 20.60         | 0.011         |                           |        |

| GPRS 1900 / 1880MHz |                    |               |               |                           |        |
|---------------------|--------------------|---------------|---------------|---------------------------|--------|
| Temperature<br>(°C) | Voltage            | Freq.<br>Dev. | Freq.<br>Dev. | Limit                     | Result |
|                     | (Volt)             | (Hz)          | (ppm)         |                           |        |
| 50                  | Normal Voltage     | 32.79         | 0.017         | Within Authorized<br>Band | PASS   |
| 40                  |                    | 35.46         | 0.019         |                           |        |
| 30                  |                    | 21.81         | 0.012         |                           |        |
| 20                  |                    | 17.81         | 0.009         |                           |        |
| 10                  |                    | 28.37         | 0.015         |                           |        |
| 0                   |                    | 28.97         | 0.015         |                           |        |
| -10                 |                    | 25.10         | 0.013         |                           |        |
| -20                 |                    | 20.33         | 0.011         |                           |        |
| -30                 |                    | 29.59         | 0.016         |                           |        |
| 20                  | Maximum<br>Voltage | 26.22         | 0.014         |                           |        |
| 20                  | BEP                | 24.64         | 0.013         |                           |        |



| UMTS Band 2 /1880MHz |                 |            |            |                        |        |
|----------------------|-----------------|------------|------------|------------------------|--------|
| Temperature (°C)     | Voltage         | Freq. Dev. | Freq. Dev. | Limit                  | Result |
|                      | (Volt)          | (Hz)       | (ppm)      |                        |        |
| 50                   | Normal Voltage  | 29.75      | 0.016      | Within Authorized Band | PASS   |
| 40                   |                 | 17.39      | 0.009      |                        |        |
| 30                   |                 | 18.01      | 0.010      |                        |        |
| 20                   |                 | 35.89      | 0.019      |                        |        |
| 10                   |                 | 12.25      | 0.007      |                        |        |
| 0                    |                 | 20.06      | 0.011      |                        |        |
| -10                  |                 | 19.53      | 0.010      |                        |        |
| -20                  |                 | 28.69      | 0.015      |                        |        |
| -30                  |                 | 24.71      | 0.013      |                        |        |
| 20                   | Maximum Voltage | 17.57      | 0.009      |                        |        |
| 20                   | BEP             | 30.66      | 0.016      |                        |        |

| HSDPA Band 2 /1880MHz |                 |            |            |                        |        |
|-----------------------|-----------------|------------|------------|------------------------|--------|
| Temperature (°C)      | Voltage         | Freq. Dev. | Freq. Dev. | Limit                  | Result |
|                       | (Volt)          | (Hz)       | (ppm)      |                        |        |
| 50                    | Normal Voltage  | 25.12      | 0.013      | Within Authorized Band | PASS   |
| 40                    |                 | 27.03      | 0.014      |                        |        |
| 30                    |                 | 30.23      | 0.016      |                        |        |
| 20                    |                 | 28.41      | 0.015      |                        |        |
| 10                    |                 | 32.81      | 0.017      |                        |        |
| 0                     |                 | 19.26      | 0.010      |                        |        |
| -10                   |                 | 14.00      | 0.007      |                        |        |
| -20                   |                 | 23.49      | 0.012      |                        |        |
| -30                   |                 | 25.43      | 0.014      |                        |        |
| 20                    | Maximum Voltage | 11.81      | 0.006      |                        |        |
| 20                    | BEP             | 29.98      | 0.016      |                        |        |

| HSUPA Band 2 /1880MHz |                 |            |            |                        |        |
|-----------------------|-----------------|------------|------------|------------------------|--------|
| Temperature (°C)      | Voltage         | Freq. Dev. | Freq. Dev. | Limit                  | Result |
|                       | (Volt)          | (Hz)       | (ppm)      |                        |        |
| 50                    | Normal Voltage  | 16.78      | 0.009      | Within Authorized Band | PASS   |
| 40                    |                 | 31.48      | 0.017      |                        |        |
| 30                    |                 | 28.12      | 0.015      |                        |        |
| 20                    |                 | 16.93      | 0.009      |                        |        |
| 10                    |                 | 18.13      | 0.010      |                        |        |
| 0                     |                 | 16.58      | 0.009      |                        |        |
| -10                   |                 | 22.00      | 0.012      |                        |        |
| -20                   |                 | 35.84      | 0.019      |                        |        |
| -30                   |                 | 22.88      | 0.012      |                        |        |
| 20                    | Maximum Voltage | 36.09      | 0.019      |                        |        |
| 20                    | BEP             | 20.29      | 0.011      |                        |        |



| UMTS Band 5 / 836.4MHz |                 |            |            |        |        |
|------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)       | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                        | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                     | Normal Voltage  | 21.25      | 0.025      | 2.5ppm | PASS   |
| 40                     |                 | 18.90      | 0.023      |        |        |
| 30                     |                 | 31.14      | 0.037      |        |        |
| 20                     |                 | 17.53      | 0.021      |        |        |
| 10                     |                 | 34.06      | 0.041      |        |        |
| 0                      |                 | 36.09      | 0.043      |        |        |
| -10                    |                 | 32.96      | 0.039      |        |        |
| -20                    |                 | 13.45      | 0.016      |        |        |
| -30                    |                 | 35.61      | 0.043      |        |        |
| 20                     | Maximum Voltage | 27.08      | 0.032      |        |        |
| 20                     | BEP             | 16.76      | 0.020      |        |        |

| HSDPA Band 5 / 836.4MHz |                 |            |            |        |        |
|-------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)        | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                         | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                      | Normal Voltage  | 17.51      | 0.021      | 2.5ppm | PASS   |
| 40                      |                 | 31.16      | 0.037      |        |        |
| 30                      |                 | 18.67      | 0.022      |        |        |
| 20                      |                 | 33.03      | 0.039      |        |        |
| 10                      |                 | 35.42      | 0.042      |        |        |
| 0                       |                 | 27.29      | 0.033      |        |        |
| -10                     |                 | 33.89      | 0.041      |        |        |
| -20                     |                 | 19.10      | 0.023      |        |        |
| -30                     |                 | 26.58      | 0.032      |        |        |
| 20                      | Maximum Voltage | 33.88      | 0.040      |        |        |
| 20                      | BEP             | 30.71      | 0.037      |        |        |

| HSUPA Band 5 / 836.4MHz |                 |            |            |        |        |
|-------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)        | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                         | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                      | Normal Voltage  | 26.48      | 0.032      | 2.5ppm | PASS   |
| 40                      |                 | 33.60      | 0.040      |        |        |
| 30                      |                 | 22.81      | 0.027      |        |        |
| 20                      |                 | 17.59      | 0.021      |        |        |
| 10                      |                 | 29.84      | 0.036      |        |        |
| 0                       |                 | 33.12      | 0.040      |        |        |
| -10                     |                 | 34.22      | 0.041      |        |        |
| -20                     |                 | 36.18      | 0.043      |        |        |
| -30                     |                 | 17.15      | 0.020      |        |        |
| 20                      | Maximum Voltage | 23.55      | 0.028      |        |        |
| 20                      | BEP             | 35.08      | 0.042      |        |        |



| LTE Band 2 (QPSK) / 1880MHz / BW10M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 28.01      | 0.015      | 2.5ppm | PASS   |
| 40                                  |                 | 14.00      | 0.007      |        |        |
| 30                                  |                 | 20.30      | 0.011      |        |        |
| 20                                  |                 | 32.01      | 0.017      |        |        |
| 10                                  |                 | 12.08      | 0.006      |        |        |
| 0                                   |                 | 12.13      | 0.006      |        |        |
| -10                                 |                 | 29.08      | 0.015      |        |        |
| -20                                 |                 | 21.99      | 0.012      |        |        |
| -30                                 |                 | 23.76      | 0.013      |        |        |
| 20                                  | Maximum Voltage | 36.41      | 0.019      |        |        |
| 20                                  | BEP             | 24.23      | 0.013      |        |        |

| LTE Band 2 (QPSK) / 1880MHz / BW20M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 28.86      | 0.015      | 2.5ppm | PASS   |
| 40                                  |                 | 17.37      | 0.009      |        |        |
| 30                                  |                 | 33.44      | 0.018      |        |        |
| 20                                  |                 | 29.51      | 0.016      |        |        |
| 10                                  |                 | 22.66      | 0.012      |        |        |
| 0                                   |                 | 32.39      | 0.017      |        |        |
| -10                                 |                 | 15.45      | 0.008      |        |        |
| -20                                 |                 | 30.19      | 0.016      |        |        |
| -30                                 |                 | 12.72      | 0.007      |        |        |
| 20                                  | Maximum Voltage | 19.74      | 0.011      |        |        |
| 20                                  | BEP             | 36.22      | 0.019      |        |        |

| LTE Band 4 (QPSK) / 1733MHz / BW10M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 34.71      | 0.020      | 2.5ppm | PASS   |
| 40                                  |                 | 36.27      | 0.021      |        |        |
| 30                                  |                 | 24.16      | 0.014      |        |        |
| 20                                  |                 | 28.25      | 0.016      |        |        |
| 10                                  |                 | 24.06      | 0.014      |        |        |
| 0                                   |                 | 17.27      | 0.010      |        |        |
| -10                                 |                 | 28.51      | 0.016      |        |        |
| -20                                 |                 | 34.15      | 0.020      |        |        |
| -30                                 |                 | 29.32      | 0.017      |        |        |
| 20                                  | Maximum Voltage | 25.07      | 0.014      |        |        |
| 20                                  | BEP             | 22.74      | 0.013      |        |        |



| LTE Band 4 (QPSK) / 1733MHz / BW20M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 15.66      | 0.009      | 2.5ppm | PASS   |
| 40                                  |                 | 17.20      | 0.010      |        |        |
| 30                                  |                 | 14.92      | 0.009      |        |        |
| 20                                  |                 | 15.83      | 0.009      |        |        |
| 10                                  |                 | 18.99      | 0.011      |        |        |
| 0                                   |                 | 13.96      | 0.008      |        |        |
| -10                                 |                 | 21.95      | 0.013      |        |        |
| -20                                 |                 | 30.50      | 0.018      |        |        |
| -30                                 |                 | 22.75      | 0.013      |        |        |
| 20                                  | Maximum Voltage | 16.00      | 0.009      |        |        |
| 20                                  | BEP             | 30.31      | 0.017      |        |        |

| LTE Band 5 (QPSK) / 836.5MHz / BW5M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 34.91      | 0.042      | 2.5ppm | PASS   |
| 40                                  |                 | 16.55      | 0.020      |        |        |
| 30                                  |                 | 26.35      | 0.032      |        |        |
| 20                                  |                 | 36.06      | 0.043      |        |        |
| 10                                  |                 | 32.66      | 0.039      |        |        |
| 0                                   |                 | 16.87      | 0.020      |        |        |
| -10                                 |                 | 19.60      | 0.023      |        |        |
| -20                                 |                 | 21.27      | 0.025      |        |        |
| -30                                 |                 | 33.22      | 0.040      |        |        |
| 20                                  | Maximum Voltage | 23.43      | 0.028      |        |        |
| 20                                  | BEP             | 32.29      | 0.039      |        |        |

| LTE Band 5 (QPSK) / 836.5MHz / BW10M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 23.75      | 0.028      | 2.5ppm | PASS   |
| 40                                   |                 | 27.24      | 0.033      |        |        |
| 30                                   |                 | 18.81      | 0.022      |        |        |
| 20                                   |                 | 27.09      | 0.032      |        |        |
| 10                                   |                 | 31.83      | 0.038      |        |        |
| 0                                    |                 | 30.61      | 0.037      |        |        |
| -10                                  |                 | 20.53      | 0.025      |        |        |
| -20                                  |                 | 22.30      | 0.027      |        |        |
| -30                                  |                 | 12.18      | 0.015      |        |        |
| 20                                   | Maximum Voltage | 34.97      | 0.042      |        |        |
| 20                                   | BEP             | 13.10      | 0.016      |        |        |



| LTE Band 12 (QPSK) / 707.5MHz / BW5M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 26.01      | 0.037      | 2.5ppm | PASS   |
| 40                                   |                 | 31.10      | 0.044      |        |        |
| 30                                   |                 | 24.26      | 0.034      |        |        |
| 20                                   |                 | 11.89      | 0.017      |        |        |
| 10                                   |                 | 28.75      | 0.041      |        |        |
| 0                                    |                 | 34.82      | 0.049      |        |        |
| -10                                  |                 | 31.11      | 0.044      |        |        |
| -20                                  |                 | 17.57      | 0.025      |        |        |
| -30                                  |                 | 22.15      | 0.031      |        |        |
| 20                                   | Maximum Voltage | 16.59      | 0.023      |        |        |
| 20                                   | BEP             | 29.89      | 0.042      |        |        |

| LTE Band 12 (QPSK) / 707.5MHz / BW10M |                 |            |            |        |        |
|---------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                      | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                       | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                    | Normal Voltage  | 27.20      | 0.038      | 2.5ppm | PASS   |
| 40                                    |                 | 17.50      | 0.025      |        |        |
| 30                                    |                 | 29.12      | 0.041      |        |        |
| 20                                    |                 | 11.63      | 0.016      |        |        |
| 10                                    |                 | 35.82      | 0.051      |        |        |
| 0                                     |                 | 18.42      | 0.026      |        |        |
| -10                                   |                 | 20.12      | 0.028      |        |        |
| -20                                   |                 | 24.04      | 0.034      |        |        |
| -30                                   |                 | 13.90      | 0.020      |        |        |
| 20                                    | Maximum Voltage | 27.17      | 0.038      |        |        |
| 20                                    | BEP             | 21.93      | 0.031      |        |        |

| LTE Band 17 (QPSK) / 710MHz / BW5M |                 |            |            |        |        |
|------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                   | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                    | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                 | Normal Voltage  | 31.13      | 0.044      | 2.5ppm | PASS   |
| 40                                 |                 | 32.59      | 0.046      |        |        |
| 30                                 |                 | 20.52      | 0.029      |        |        |
| 20                                 |                 | 25.53      | 0.036      |        |        |
| 10                                 |                 | 27.08      | 0.038      |        |        |
| 0                                  |                 | 35.74      | 0.050      |        |        |
| -10                                |                 | 12.73      | 0.018      |        |        |
| -20                                |                 | 14.21      | 0.020      |        |        |
| -30                                |                 | 28.18      | 0.040      |        |        |
| 20                                 | Maximum Voltage | 13.95      | 0.020      |        |        |
| 20                                 | BEP             | 31.05      | 0.044      |        |        |



| LTE Band 17 (QPSK) / 710MHz / BW10M |                 |            |            |        |        |
|-------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                    | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                     | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                  | Normal Voltage  | 21.27      | 0.030      | 2.5ppm | PASS   |
| 40                                  |                 | 21.94      | 0.031      |        |        |
| 30                                  |                 | 31.58      | 0.044      |        |        |
| 20                                  |                 | 26.52      | 0.037      |        |        |
| 10                                  |                 | 14.29      | 0.020      |        |        |
| 0                                   |                 | 11.70      | 0.016      |        |        |
| -10                                 |                 | 35.86      | 0.051      |        |        |
| -20                                 |                 | 14.96      | 0.021      |        |        |
| -30                                 |                 | 14.77      | 0.021      |        |        |
| 20                                  | Maximum Voltage | 30.29      | 0.043      |        |        |
| 20                                  | BEP             | 11.83      | 0.017      |        |        |

| LTE Band 66 (QPSK) / 1745MHz / BW10M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 34.77      | 0.020      | 2.5ppm | PASS   |
| 40                                   |                 | 16.63      | 0.010      |        |        |
| 30                                   |                 | 20.89      | 0.012      |        |        |
| 20                                   |                 | 13.31      | 0.008      |        |        |
| 10                                   |                 | 22.35      | 0.013      |        |        |
| 0                                    |                 | 13.38      | 0.008      |        |        |
| -10                                  |                 | 36.12      | 0.021      |        |        |
| -20                                  |                 | 33.13      | 0.019      |        |        |
| -30                                  |                 | 12.19      | 0.007      |        |        |
| 20                                   | Maximum Voltage | 23.90      | 0.014      |        |        |
| 20                                   | BEP             | 31.77      | 0.018      |        |        |

| LTE Band 66 (QPSK) / 1745MHz / BW20M |                 |            |            |        |        |
|--------------------------------------|-----------------|------------|------------|--------|--------|
| Temperature (°C)                     | Voltage         | Freq. Dev. | Freq. Dev. | Limit  | Result |
|                                      | (Volt)          | (Hz)       | (ppm)      |        |        |
| 50                                   | Normal Voltage  | 34.81      | 0.020      | 2.5ppm | PASS   |
| 40                                   |                 | 30.34      | 0.017      |        |        |
| 30                                   |                 | 31.50      | 0.018      |        |        |
| 20                                   |                 | 11.57      | 0.007      |        |        |
| 10                                   |                 | 26.98      | 0.015      |        |        |
| 0                                    |                 | 30.13      | 0.017      |        |        |
| -10                                  |                 | 15.30      | 0.009      |        |        |
| -20                                  |                 | 27.93      | 0.016      |        |        |
| -30                                  |                 | 29.60      | 0.017      |        |        |
| 20                                   | Maximum Voltage | 24.52      | 0.014      |        |        |
| 20                                   | BEP             | 11.59      | 0.007      |        |        |

## 5.5 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

### TEST OVERVIEW

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For Band 7:

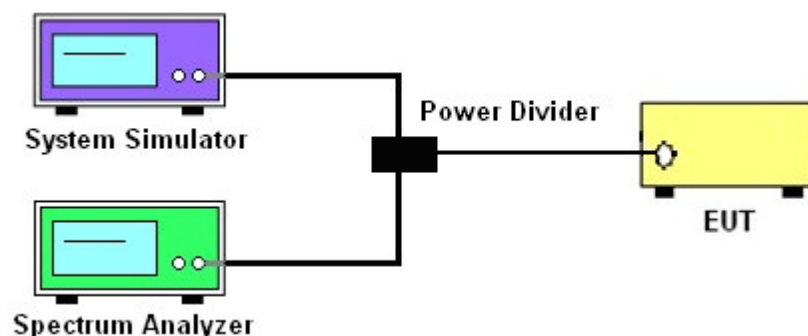
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $55 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

### TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0. and ANSI C63.26-2015-Section 5.7.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13\text{dBm}$ .

### TEST SETUP



### TEST RESULT

Note: The test data please reference to attachment “STS2507194W09\_Appendix GSM”, “STS2507194W09\_Appendix WCDMA” and “STS2507194W09\_Appendix LTE”.



## 5.6 BAND EDGE

### TEST OVERVIEW

#### 1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### 2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed

#### 3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### 4. §27.53(m)(4)

For operations in the 2500 MHz ~ 2570 MHz band this section, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

#### 5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

## TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26-2015-Section 5.7
  2. Start and stop frequency were set such that the band edge would be placed in the center of the Plot.
  3. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
  4. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator.
- The path loss was compensated to the results for each measurement.
5. The band edges of low and high channels for the highest RF powers were measured.
  6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

7. The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$

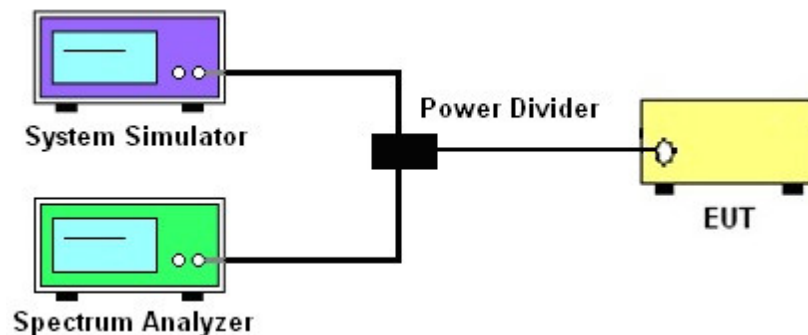
Band 7:

$$= P(W) - [55 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm}.$$

## TEST SETUP



## TEST RESULT

Note: The test data please reference to attachment “STS2507194W09\_Appendix GSM”, “STS2507194W09\_Appendix WCDMA” and “STS2507194W09\_Appendix LTE”.



## 5.7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

### TEST OVERVIEW

Radiated spurious emissions measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power and at the appropriate frequencies.

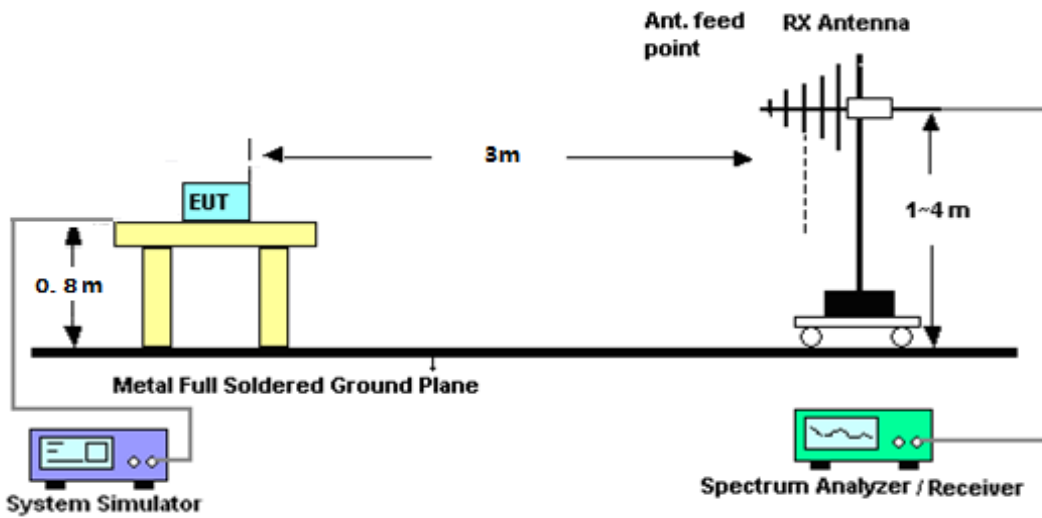
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

### TEST PROCEDURE

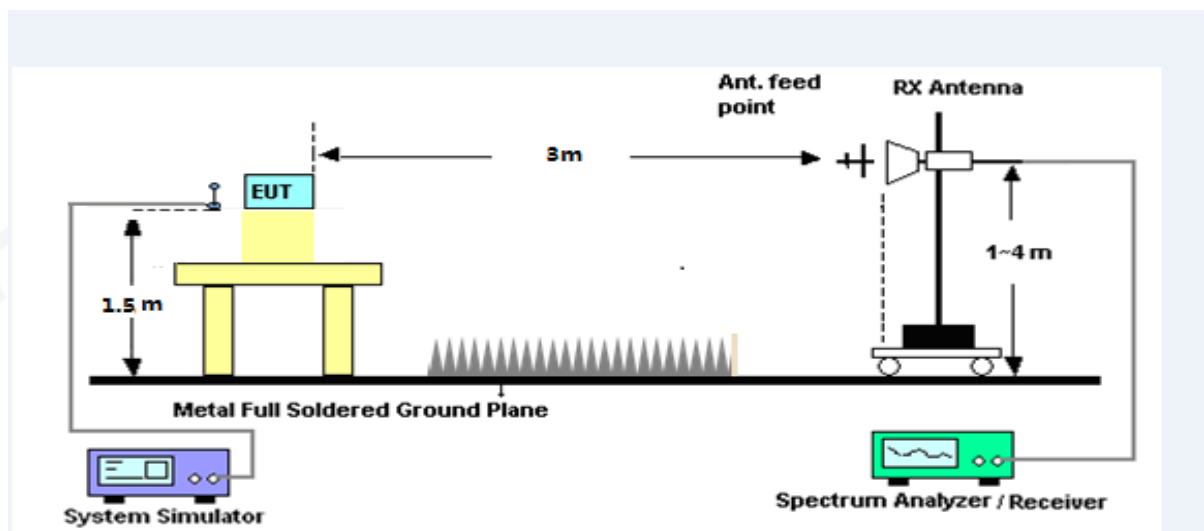
1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI C63.26-2015-Section 5.5.
2. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
3. VBW  $\geq 3 \times$  RBW
4. Span = 1.5 times the OBW
5. No. of sweep points  $> 2 \times$  span/RBW
6. Detector = Peak
7. Trace mode = max hold
8. The trace was allowed to stabilize
9. Effective Isotropic Spurious Radiation was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna.  
 $P_{Mea} = S.G \text{ Level} + \text{Ant-Cable loss}$ ;  $\text{Margin} = P_{Mea} - \text{Limit}$ .

## TEST SETUP

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



**TEST RESULT**

- Note:** (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.
- (2) Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value
- (3) Test is divided into three directions, X/Y/Z. X pattern for the worst.

| GSM 850: (30-9000)MHz                        |                     |          |       |               |                |                 |          |
|----------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results Channel 128/824.2 MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1648.39                                      | -40.79              | 9.40     | 4.75  | -36.14        | -13.00         | -23.14          | H        |
| 2472.53                                      | -39.34              | 10.60    | 8.39  | -37.13        | -13.00         | -24.13          | H        |
| 3296.74                                      | -32.33              | 12.00    | 11.79 | -32.12        | -13.00         | -19.12          | H        |
| 1648.39                                      | -44.50              | 9.40     | 4.75  | -39.85        | -13.00         | -26.85          | V        |
| 2472.53                                      | -45.34              | 10.60    | 8.39  | -43.13        | -13.00         | -30.13          | V        |
| 3296.74                                      | -43.49              | 12.00    | 11.79 | -43.28        | -13.00         | -30.28          | V        |
| The Worst Test Results Channel 190/836.6 MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1673.17                                      | -40.44              | 9.50     | 4.76  | -35.70        | -13.00         | -22.70          | H        |
| 2509.77                                      | -40.05              | 10.70    | 8.40  | -37.75        | -13.00         | -24.75          | H        |
| 3346.36                                      | -31.00              | 12.20    | 11.80 | -30.60        | -13.00         | -17.60          | H        |
| 1673.17                                      | -43.48              | 9.40     | 4.75  | -38.83        | -13.00         | -25.83          | V        |
| 2509.77                                      | -44.78              | 10.60    | 8.39  | -42.57        | -13.00         | -29.57          | V        |
| 3346.36                                      | -43.93              | 12.20    | 11.82 | -43.55        | -13.00         | -30.55          | V        |
| The Worst Test Results Channel 251/848.8 MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1697.29                                      | -41.31              | 9.60     | 4.77  | -36.48        | -13.00         | -23.48          | H        |
| 2546.26                                      | -39.27              | 10.80    | 8.50  | -36.97        | -13.00         | -23.97          | H        |
| 3395.18                                      | -31.08              | 12.50    | 11.90 | -30.48        | -13.00         | -17.48          | H        |
| 1697.29                                      | -43.19              | 9.60     | 4.77  | -38.36        | -13.00         | -25.36          | V        |
| 2546.26                                      | -44.26              | 10.80    | 8.50  | -41.96        | -13.00         | -28.96          | V        |
| 3395.18                                      | -43.45              | 12.50    | 11.90 | -42.85        | -13.00         | -29.85          | V        |



| GPRS 850: (30-9000)MHz                       |                     |          |       |               |                |                 |          |
|----------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results Channel 128/824.2 MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1648.11                                      | -40.50              | 9.40     | 4.75  | -35.85        | -13.00         | -22.85          | H        |
| 2472.24                                      | -39.97              | 10.60    | 8.39  | -37.76        | -13.00         | -24.76          | H        |
| 3296.70                                      | -31.55              | 12.00    | 11.79 | -31.34        | -13.00         | -18.34          | H        |
| 1648.11                                      | -44.62              | 9.40     | 4.75  | -39.97        | -13.00         | -26.97          | V        |
| 2472.24                                      | -44.30              | 10.60    | 8.39  | -42.09        | -13.00         | -29.09          | V        |
| 3296.70                                      | -42.76              | 12.00    | 11.79 | -42.55        | -13.00         | -29.55          | V        |
| The Worst Test Results Channel 190/836.6 MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1672.81                                      | -40.33              | 9.50     | 4.76  | -35.59        | -13.00         | -22.59          | H        |
| 2509.50                                      | -40.03              | 10.70    | 8.40  | -37.73        | -13.00         | -24.73          | H        |
| 3346.01                                      | -30.87              | 12.20    | 11.80 | -30.47        | -13.00         | -17.47          | H        |
| 1672.81                                      | -43.29              | 9.40     | 4.75  | -38.64        | -13.00         | -25.64          | V        |
| 2509.50                                      | -44.59              | 10.60    | 8.39  | -42.38        | -13.00         | -29.38          | V        |
| 3346.01                                      | -43.75              | 12.20    | 11.82 | -43.37        | -13.00         | -30.37          | V        |
| The Worst Test Results Channel 251/848.8 MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1697.54                                      | -40.80              | 9.60     | 4.77  | -35.97        | -13.00         | -22.97          | H        |
| 2546.44                                      | -39.55              | 10.80    | 8.50  | -37.25        | -13.00         | -24.25          | H        |
| 3394.86                                      | -31.01              | 12.50    | 11.90 | -30.41        | -13.00         | -17.41          | H        |
| 1697.54                                      | -43.49              | 9.60     | 4.77  | -38.66        | -13.00         | -25.66          | V        |
| 2546.44                                      | -44.11              | 10.80    | 8.50  | -41.81        | -13.00         | -28.81          | V        |
| 3394.86                                      | -43.76              | 12.50    | 11.90 | -43.16        | -13.00         | -30.16          | V        |



| PCS 1900: (30-20000)MHz                          |                     |          |       |               |                |                 |          |
|--------------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results for Channel 512/1850.2MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                   | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3700.00                                          | -34.58              | 12.60    | 12.93 | -34.91        | -13.00         | -21.91          | H        |
| 5550.28                                          | -34.17              | 13.10    | 17.11 | -38.18        | -13.00         | -25.18          | H        |
| 7400.73                                          | -32.35              | 11.50    | 22.20 | -43.05        | -13.00         | -30.05          | H        |
| 3700.00                                          | -35.53              | 12.60    | 12.93 | -35.86        | -13.00         | -22.86          | V        |
| 5550.28                                          | -34.51              | 13.10    | 17.11 | -38.52        | -13.00         | -25.52          | V        |
| 7400.73                                          | -32.62              | 11.50    | 22.20 | -43.32        | -13.00         | -30.32          | V        |
| The Worst Test Results for Channel 661/1880.0MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                   | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3759.91                                          | -34.35              | 12.60    | 12.93 | -34.68        | -13.00         | -21.68          | H        |
| 5640.19                                          | -34.68              | 13.10    | 17.11 | -38.69        | -13.00         | -25.69          | H        |
| 7519.92                                          | -32.75              | 11.50    | 22.20 | -43.45        | -13.00         | -30.45          | H        |
| 3759.91                                          | -35.96              | 12.60    | 12.93 | -36.29        | -13.00         | -23.29          | V        |
| 5640.19                                          | -34.32              | 13.10    | 17.11 | -38.33        | -13.00         | -25.33          | V        |
| 7519.92                                          | -32.94              | 11.50    | 22.20 | -43.64        | -13.00         | -30.64          | V        |
| The Worst Test Results for Channel 810/1909.8MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                   | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3819.39                                          | -34.56              | 12.60    | 12.93 | -34.89        | -13.00         | -21.89          | H        |
| 5729.11                                          | -34.08              | 13.10    | 17.11 | -38.09        | -13.00         | -25.09          | H        |
| 7638.98                                          | -33.20              | 11.50    | 22.20 | -43.90        | -13.00         | -30.90          | H        |
| 3819.39                                          | -34.94              | 12.60    | 12.93 | -35.27        | -13.00         | -22.27          | V        |
| 5729.11                                          | -34.19              | 13.10    | 17.11 | -38.20        | -13.00         | -25.20          | V        |
| 7638.98                                          | -32.26              | 11.50    | 22.20 | -42.96        | -13.00         | -29.96          | V        |



| GPRS1900: (30-20000)MHz                          |                     |          |       |               |                |                 |          |
|--------------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results for Channel 512/1850.2MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                   | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3700.14                                          | -34.43              | 12.60    | 12.93 | -34.76        | -13.00         | -21.76          | H        |
| 5550.48                                          | -35.14              | 13.10    | 17.11 | -39.15        | -13.00         | -26.15          | H        |
| 7400.59                                          | -32.19              | 11.50    | 22.20 | -42.89        | -13.00         | -29.89          | H        |
| 3700.14                                          | -35.68              | 12.60    | 12.93 | -36.01        | -13.00         | -23.01          | V        |
| 5550.48                                          | -34.09              | 13.10    | 17.11 | -38.10        | -13.00         | -25.10          | V        |
| 7400.59                                          | -33.07              | 11.50    | 22.20 | -43.77        | -13.00         | -30.77          | V        |
| The Worst Test Results for Channel 661/1880.0MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                   | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.19                                          | -33.60              | 12.60    | 12.93 | -33.93        | -13.00         | -20.93          | H        |
| 5640.27                                          | -34.27              | 13.10    | 17.11 | -38.28        | -13.00         | -25.28          | H        |
| 7520.20                                          | -32.67              | 11.50    | 22.20 | -43.37        | -13.00         | -30.37          | H        |
| 3760.19                                          | -34.67              | 12.60    | 12.93 | -35.00        | -13.00         | -22.00          | V        |
| 5640.27                                          | -34.27              | 13.10    | 17.11 | -38.28        | -13.00         | -25.28          | V        |
| 7520.20                                          | -32.83              | 11.50    | 22.20 | -43.53        | -13.00         | -30.53          | V        |
| The Worst Test Results for Channel 810/1909.8MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                   | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3819.38                                          | -34.48              | 12.60    | 12.93 | -34.81        | -13.00         | -21.81          | H        |
| 5729.34                                          | -34.59              | 13.10    | 17.11 | -38.60        | -13.00         | -25.60          | H        |
| 7639.32                                          | -32.33              | 11.50    | 22.20 | -43.03        | -13.00         | -30.03          | H        |
| 3819.38                                          | -36.01              | 12.60    | 12.93 | -36.34        | -13.00         | -23.34          | V        |
| 5729.34                                          | -34.27              | 13.10    | 17.11 | -38.28        | -13.00         | -25.28          | V        |
| 7639.32                                          | -32.76              | 11.50    | 22.20 | -43.46        | -13.00         | -30.46          | V        |



| WCDMA Band 2: (30-20000)MHz                       |                     |          |       |               |                |                 |          |
|---------------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results for Channel 9262/1852.4MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3704.28                                           | -33.45              | 12.60    | 12.93 | -33.78        | -13.00         | -20.78          | H        |
| 5557.29                                           | -35.05              | 13.10    | 17.11 | -39.06        | -13.00         | -26.06          | H        |
| 7409.58                                           | -33.39              | 11.50    | 22.20 | -44.09        | -13.00         | -31.09          | H        |
| 3704.28                                           | -35.91              | 12.60    | 12.93 | -36.24        | -13.00         | -23.24          | V        |
| 5557.29                                           | -34.28              | 13.10    | 17.11 | -38.29        | -13.00         | -25.29          | V        |
| 7409.58                                           | -31.84              | 11.50    | 22.20 | -42.54        | -13.00         | -29.54          | V        |
| The Worst Test Results for Channel 9400/1880MHz   |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3759.92                                           | -33.46              | 12.60    | 12.93 | -33.79        | -13.00         | -20.79          | H        |
| 5639.93                                           | -34.50              | 13.10    | 17.11 | -38.51        | -13.00         | -25.51          | H        |
| 7519.89                                           | -33.19              | 11.50    | 22.20 | -43.89        | -13.00         | -30.89          | H        |
| 3759.92                                           | -35.74              | 12.60    | 12.93 | -36.07        | -13.00         | -23.07          | V        |
| 5639.93                                           | -34.00              | 13.10    | 17.11 | -38.01        | -13.00         | -25.01          | V        |
| 7519.89                                           | -32.75              | 11.50    | 22.20 | -43.45        | -13.00         | -30.45          | V        |
| The Worst Test Results for Channel 9538/1907.6MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3815.41                                           | -33.64              | 12.60    | 12.93 | -33.97        | -13.00         | -20.97          | H        |
| 5722.88                                           | -35.12              | 13.10    | 17.11 | -39.13        | -13.00         | -26.13          | H        |
| 7630.29                                           | -33.02              | 11.50    | 22.20 | -43.72        | -13.00         | -30.72          | H        |
| 3815.41                                           | -35.95              | 12.60    | 12.93 | -36.28        | -13.00         | -23.28          | V        |
| 5722.88                                           | -34.75              | 13.10    | 17.11 | -38.76        | -13.00         | -25.76          | V        |
| 7630.29                                           | -31.81              | 11.50    | 22.20 | -42.51        | -13.00         | -29.51          | V        |



| HSDPA Band 2: (30-20000)MHz                       |                     |          |       |               |                |                 |          |
|---------------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results for Channel 9262/1852.4MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3704.31                                           | -34.27              | 12.60    | 12.93 | -34.60        | -13.00         | -21.60          | H        |
| 5557.60                                           | -35.37              | 13.10    | 17.11 | -39.38        | -13.00         | -26.38          | H        |
| 7409.68                                           | -33.01              | 11.50    | 22.20 | -43.71        | -13.00         | -30.71          | H        |
| 3704.31                                           | -35.15              | 12.60    | 12.93 | -35.48        | -13.00         | -22.48          | V        |
| 5557.60                                           | -34.24              | 13.10    | 17.11 | -38.25        | -13.00         | -25.25          | V        |
| 7409.68                                           | -32.80              | 11.50    | 22.20 | -43.50        | -13.00         | -30.50          | V        |
| The Worst Test Results for Channel 9400/1880MHz   |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.16                                           | -34.59              | 12.60    | 12.93 | -34.92        | -13.00         | -21.92          | H        |
| 5639.80                                           | -35.04              | 13.10    | 17.11 | -39.05        | -13.00         | -26.05          | H        |
| 7520.16                                           | -32.43              | 11.50    | 22.20 | -43.13        | -13.00         | -30.13          | H        |
| 3760.16                                           | -34.73              | 12.60    | 12.93 | -35.06        | -13.00         | -22.06          | V        |
| 5639.80                                           | -33.93              | 13.10    | 17.11 | -37.94        | -13.00         | -24.94          | V        |
| 7520.16                                           | -32.46              | 11.50    | 22.20 | -43.16        | -13.00         | -30.16          | V        |
| The Worst Test Results for Channel 9538/1907.6MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3815.69                                           | -34.65              | 12.60    | 12.93 | -34.98        | -13.00         | -21.98          | H        |
| 5722.74                                           | -34.72              | 13.10    | 17.11 | -38.73        | -13.00         | -25.73          | H        |
| 7630.24                                           | -33.60              | 11.50    | 22.20 | -44.30        | -13.00         | -31.30          | H        |
| 3815.69                                           | -34.65              | 12.60    | 12.93 | -34.98        | -13.00         | -21.98          | V        |
| 5722.74                                           | -34.19              | 13.10    | 17.11 | -38.20        | -13.00         | -25.20          | V        |
| 7630.24                                           | -32.99              | 11.50    | 22.20 | -43.69        | -13.00         | -30.69          | V        |



| HSUPA Band 2: (30-20000)MHz                       |                     |          |       |               |                |                 |          |
|---------------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results for Channel 9262/1852.4MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3704.32                                           | -34.23              | 12.60    | 12.93 | -34.56        | -13.00         | -21.56          | H        |
| 5557.24                                           | -34.52              | 13.10    | 17.11 | -38.53        | -13.00         | -25.53          | H        |
| 7409.77                                           | -33.12              | 11.50    | 22.20 | -43.82        | -13.00         | -30.82          | H        |
| 3704.32                                           | -34.54              | 12.60    | 12.93 | -34.87        | -13.00         | -21.87          | V        |
| 5557.24                                           | -33.82              | 13.10    | 17.11 | -37.83        | -13.00         | -24.83          | V        |
| 7409.77                                           | -33.19              | 11.50    | 22.20 | -43.89        | -13.00         | -30.89          | V        |
| The Worst Test Results for Channel 9400/1880MHz   |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.08                                           | -34.70              | 12.60    | 12.93 | -35.03        | -13.00         | -22.03          | H        |
| 5639.91                                           | -34.27              | 13.10    | 17.11 | -38.28        | -13.00         | -25.28          | H        |
| 7520.19                                           | -33.45              | 11.50    | 22.20 | -44.15        | -13.00         | -31.15          | H        |
| 3760.08                                           | -35.54              | 12.60    | 12.93 | -35.87        | -13.00         | -22.87          | V        |
| 5639.91                                           | -34.83              | 13.10    | 17.11 | -38.84        | -13.00         | -25.84          | V        |
| 7520.19                                           | -32.10              | 11.50    | 22.20 | -42.80        | -13.00         | -29.80          | V        |
| The Worst Test Results for Channel 9538/1907.6MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                                    | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3815.71                                           | -34.56              | 12.60    | 12.93 | -34.89        | -13.00         | -21.89          | H        |
| 5722.84                                           | -34.51              | 13.10    | 17.11 | -38.52        | -13.00         | -25.52          | H        |
| 7630.17                                           | -33.63              | 11.50    | 22.20 | -44.33        | -13.00         | -31.33          | H        |
| 3815.71                                           | -35.96              | 12.60    | 12.93 | -36.29        | -13.00         | -23.29          | V        |
| 5722.84                                           | -33.95              | 13.10    | 17.11 | -37.96        | -13.00         | -24.96          | V        |
| 7630.17                                           | -32.55              | 11.50    | 22.20 | -43.25        | -13.00         | -30.25          | V        |



| WCDMA Band 5: (30-9000)MHz                   |                     |          |       |               |                |                 |          |
|----------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The worst testresults channel 4132/826.4MHz  |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1652.83                                      | -40.56              | 9.40     | 4.75  | -35.91        | -13.00         | -22.91          | H        |
| 2479.07                                      | -39.84              | 10.60    | 8.39  | -37.63        | -13.00         | -24.63          | H        |
| 3305.47                                      | -31.37              | 12.00    | 11.79 | -31.16        | -13.00         | -18.16          | H        |
| 1652.83                                      | -44.18              | 9.40     | 4.75  | -39.53        | -13.00         | -26.53          | V        |
| 2479.07                                      | -44.08              | 10.60    | 8.39  | -41.87        | -13.00         | -28.87          | V        |
| 3305.47                                      | -43.05              | 12.00    | 11.79 | -42.84        | -13.00         | -29.84          | V        |
| The Worst Test Results Channel 4182/836.4MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1672.73                                      | -40.51              | 9.40     | 4.75  | -35.86        | -13.00         | -22.86          | H        |
| 2509.24                                      | -39.57              | 10.60    | 8.39  | -37.36        | -13.00         | -24.36          | H        |
| 3345.53                                      | -31.71              | 12.00    | 11.79 | -31.50        | -13.00         | -18.50          | H        |
| 1672.73                                      | -43.53              | 9.40     | 4.75  | -38.88        | -13.00         | -25.88          | V        |
| 2509.24                                      | -44.33              | 10.60    | 8.39  | -42.12        | -13.00         | -29.12          | V        |
| 3345.53                                      | -43.01              | 12.00    | 11.79 | -42.80        | -13.00         | -29.80          | V        |
| The Worst Test Results Channel 4233/846.6MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1693.49                                      | -40.78              | 9.40     | 4.75  | -36.13        | -13.00         | -23.13          | H        |
| 2539.96                                      | -39.60              | 10.60    | 8.39  | -37.39        | -13.00         | -24.39          | H        |
| 3386.44                                      | -31.30              | 12.00    | 11.79 | -31.09        | -13.00         | -18.09          | H        |
| 1693.49                                      | -44.05              | 9.40     | 4.75  | -39.40        | -13.00         | -26.40          | V        |
| 2539.96                                      | -45.24              | 10.60    | 8.39  | -43.03        | -13.00         | -30.03          | V        |
| 3386.44                                      | -43.59              | 12.00    | 11.79 | -43.38        | -13.00         | -30.38          | V        |



| HSDPA Band 5: (30-9000)MHz                   |                     |          |       |               |                |                 |          |
|----------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The worst testresults channel 4132/826.4MHz  |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1652.50                                      | -41.50              | 9.40     | 4.75  | -36.85        | -13.00         | -23.85          | H        |
| 2479.40                                      | -39.91              | 10.60    | 8.39  | -37.70        | -13.00         | -24.70          | H        |
| 3305.50                                      | -31.41              | 12.00    | 11.79 | -31.20        | -13.00         | -18.20          | H        |
| 1652.50                                      | -43.94              | 9.40     | 4.75  | -39.29        | -13.00         | -26.29          | V        |
| 2479.40                                      | -44.76              | 10.60    | 8.39  | -42.55        | -13.00         | -29.55          | V        |
| 3305.50                                      | -43.17              | 12.00    | 11.79 | -42.96        | -13.00         | -29.96          | V        |
| The Worst Test Results Channel 4182/836.4MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1672.97                                      | -40.45              | 9.40     | 4.75  | -35.80        | -13.00         | -22.80          | H        |
| 2509.43                                      | -39.60              | 10.60    | 8.39  | -37.39        | -13.00         | -24.39          | H        |
| 3345.64                                      | -31.39              | 12.00    | 11.79 | -31.18        | -13.00         | -18.18          | H        |
| 1672.97                                      | -44.23              | 9.40     | 4.75  | -39.58        | -13.00         | -26.58          | V        |
| 2509.43                                      | -44.46              | 10.60    | 8.39  | -42.25        | -13.00         | -29.25          | V        |
| 3345.64                                      | -43.69              | 12.00    | 11.79 | -43.48        | -13.00         | -30.48          | V        |
| The Worst Test Results Channel 4233/846.6MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1693.30                                      | -41.29              | 9.40     | 4.75  | -36.64        | -13.00         | -23.64          | H        |
| 2539.55                                      | -39.63              | 10.60    | 8.39  | -37.42        | -13.00         | -24.42          | H        |
| 3386.18                                      | -31.37              | 12.00    | 11.79 | -31.16        | -13.00         | -18.16          | H        |
| 1693.30                                      | -43.16              | 9.40     | 4.75  | -38.51        | -13.00         | -25.51          | V        |
| 2539.55                                      | -44.21              | 10.60    | 8.39  | -42.00        | -13.00         | -29.00          | V        |
| 3386.18                                      | -43.38              | 12.00    | 11.79 | -43.17        | -13.00         | -30.17          | V        |



| HSUPA Band 5: (30-9000)MHz                   |                     |          |       |               |                |                 |          |
|----------------------------------------------|---------------------|----------|-------|---------------|----------------|-----------------|----------|
| The worst testresults channel 4132/826.4MHz  |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1652.69                                      | -41.42              | 9.40     | 4.75  | -36.77        | -13.00         | -23.77          | H        |
| 2479.21                                      | -39.39              | 10.60    | 8.39  | -37.18        | -13.00         | -24.18          | H        |
| 3305.85                                      | -31.48              | 12.00    | 11.79 | -31.27        | -13.00         | -18.27          | H        |
| 1652.69                                      | -44.41              | 9.40     | 4.75  | -39.76        | -13.00         | -26.76          | V        |
| 2479.21                                      | -45.27              | 10.60    | 8.39  | -43.06        | -13.00         | -30.06          | V        |
| 3305.85                                      | -43.19              | 12.00    | 11.79 | -42.98        | -13.00         | -29.98          | V        |
| The Worst Test Results Channel 4182/836.4MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1672.56                                      | -41.10              | 9.40     | 4.75  | -36.45        | -13.00         | -23.45          | H        |
| 2509.40                                      | -39.87              | 10.60    | 8.39  | -37.66        | -13.00         | -24.66          | H        |
| 3345.63                                      | -31.44              | 12.00    | 11.79 | -31.23        | -13.00         | -18.23          | H        |
| 1672.56                                      | -44.64              | 9.40     | 4.75  | -39.99        | -13.00         | -26.99          | V        |
| 2509.40                                      | -44.40              | 10.60    | 8.39  | -42.19        | -13.00         | -29.19          | V        |
| 3345.63                                      | -43.41              | 12.00    | 11.79 | -43.20        | -13.00         | -30.20          | V        |
| The Worst Test Results Channel 4233/846.6MHz |                     |          |       |               |                |                 |          |
| Frequency(MHz)                               | S<br>G.Lev<br>(dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1693.60                                      | -41.14              | 9.40     | 4.75  | -36.49        | -13.00         | -23.49          | H        |
| 2539.89                                      | -39.50              | 10.60    | 8.39  | -37.29        | -13.00         | -24.29          | H        |
| 3386.33                                      | -31.66              | 12.00    | 11.79 | -31.45        | -13.00         | -18.45          | H        |
| 1693.60                                      | -44.43              | 9.40     | 4.75  | -39.78        | -13.00         | -26.78          | V        |
| 2539.89                                      | -44.62              | 10.60    | 8.39  | -42.41        | -13.00         | -29.41          | V        |
| 3386.33                                      | -42.81              | 12.00    | 11.79 | -42.60        | -13.00         | -29.60          | V        |



| LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3701.41                                                                             | -34.12        | 12.60    | 12.93 | -34.45     | -13.00      | -21.45       | H        |
| 5551.89                                                                             | -34.98        | 13.10    | 17.11 | -38.99     | -13.00      | -25.99       | H        |
| 7402.67                                                                             | -33.60        | 11.50    | 22.20 | -44.30     | -13.00      | -31.30       | H        |
| 3701.41                                                                             | -35.59        | 12.60    | 12.93 | -35.92     | -13.00      | -22.92       | V        |
| 5551.89                                                                             | -34.60        | 13.10    | 17.11 | -38.61     | -13.00      | -25.61       | V        |
| 7402.67                                                                             | -33.10        | 11.50    | 22.20 | -43.80     | -13.00      | -30.80       | V        |
| LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3760.07                                                                             | -33.85        | 12.60    | 12.93 | -34.18     | -13.00      | -21.18       | H        |
| 5640.12                                                                             | -34.97        | 13.10    | 17.11 | -38.98     | -13.00      | -25.98       | H        |
| 7520.12                                                                             | -32.19        | 11.50    | 22.20 | -42.89     | -13.00      | -29.89       | H        |
| 3760.07                                                                             | -35.12        | 12.60    | 12.93 | -35.45     | -13.00      | -22.45       | V        |
| 5640.12                                                                             | -34.33        | 13.10    | 17.11 | -38.34     | -13.00      | -25.34       | V        |
| 7520.12                                                                             | -33.12        | 11.50    | 22.20 | -43.82     | -13.00      | -30.82       | V        |
| LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3818.21                                                                             | -34.61        | 12.60    | 12.93 | -34.94     | -13.00      | -21.94       | H        |
| 5727.69                                                                             | -34.15        | 13.10    | 17.11 | -38.16     | -13.00      | -25.16       | H        |
| 7637.22                                                                             | -32.24        | 11.50    | 22.20 | -42.94     | -13.00      | -29.94       | H        |
| 3818.21                                                                             | -35.06        | 12.60    | 12.93 | -35.39     | -13.00      | -22.39       | V        |
| 5727.69                                                                             | -33.91        | 13.10    | 17.11 | -37.92     | -13.00      | -24.92       | V        |
| 7637.22                                                                             | -32.76        | 11.50    | 22.20 | -43.46     | -13.00      | -30.46       | V        |



| LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-----------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3703.25                                                                           | -33.92        | 12.60    | 12.93 | -34.25        | -13.00         | -21.25          | H        |
| 5554.12                                                                           | -35.23        | 13.10    | 17.11 | -39.24        | -13.00         | -26.24          | H        |
| 7406.08                                                                           | -32.72        | 11.50    | 22.20 | -43.42        | -13.00         | -30.42          | H        |
| 3703.25                                                                           | -35.39        | 12.60    | 12.93 | -35.72        | -13.00         | -22.72          | V        |
| 5554.12                                                                           | -33.87        | 13.10    | 17.11 | -37.88        | -13.00         | -24.88          | V        |
| 7406.08                                                                           | -32.90        | 11.50    | 22.20 | -43.60        | -13.00         | -30.60          | V        |
| LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.17                                                                           | -33.98        | 12.60    | 12.93 | -34.31        | -13.00         | -21.31          | H        |
| 5640.20                                                                           | -34.75        | 13.10    | 17.11 | -38.76        | -13.00         | -25.76          | H        |
| 7520.02                                                                           | -33.35        | 11.50    | 22.20 | -44.05        | -13.00         | -31.05          | H        |
| 3760.17                                                                           | -35.82        | 12.60    | 12.93 | -36.15        | -13.00         | -23.15          | V        |
| 5640.20                                                                           | -34.86        | 13.10    | 17.11 | -38.87        | -13.00         | -25.87          | V        |
| 7520.02                                                                           | -33.13        | 11.50    | 22.20 | -43.83        | -13.00         | -30.83          | V        |
| LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3816.88                                                                           | -33.47        | 12.60    | 12.93 | -33.80        | -13.00         | -20.80          | H        |
| 5725.52                                                                           | -35.08        | 13.10    | 17.11 | -39.09        | -13.00         | -26.09          | H        |
| 7633.97                                                                           | -32.21        | 11.50    | 22.20 | -42.91        | -13.00         | -29.91          | H        |
| 3816.88                                                                           | -35.22        | 12.60    | 12.93 | -35.55        | -13.00         | -22.55          | V        |
| 5725.52                                                                           | -34.46        | 13.10    | 17.11 | -38.47        | -13.00         | -25.47          | V        |
| 7633.97                                                                           | -32.17        | 11.50    | 22.20 | -42.87        | -13.00         | -29.87          | V        |



| LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-----------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3705.02                                                                           | -34.43        | 12.60    | 12.93 | -34.76        | -13.00         | -21.76          | H        |
| 5557.30                                                                           | -35.40        | 13.10    | 17.11 | -39.41        | -13.00         | -26.41          | H        |
| 7410.16                                                                           | -33.14        | 11.50    | 22.20 | -43.84        | -13.00         | -30.84          | H        |
| 3705.02                                                                           | -35.82        | 12.60    | 12.93 | -36.15        | -13.00         | -23.15          | V        |
| 5557.30                                                                           | -34.83        | 13.10    | 17.11 | -38.84        | -13.00         | -25.84          | V        |
| 7410.16                                                                           | -32.92        | 11.50    | 22.20 | -43.62        | -13.00         | -30.62          | V        |
| LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.00                                                                           | -34.78        | 12.60    | 12.93 | -35.11        | -13.00         | -22.11          | H        |
| 5640.26                                                                           | -34.98        | 13.10    | 17.11 | -38.99        | -13.00         | -25.99          | H        |
| 7519.91                                                                           | -32.66        | 11.50    | 22.20 | -43.36        | -13.00         | -30.36          | H        |
| 3760.00                                                                           | -35.90        | 12.60    | 12.93 | -36.23        | -13.00         | -23.23          | V        |
| 5640.26                                                                           | -34.84        | 13.10    | 17.11 | -38.85        | -13.00         | -25.85          | V        |
| 7519.91                                                                           | -31.88        | 11.50    | 22.20 | -42.58        | -13.00         | -29.58          | V        |
| LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3815.04                                                                           | -34.44        | 12.60    | 12.93 | -34.77        | -13.00         | -21.77          | H        |
| 5722.10                                                                           | -34.44        | 13.10    | 17.11 | -38.45        | -13.00         | -25.45          | H        |
| 7630.24                                                                           | -32.88        | 11.50    | 22.20 | -43.58        | -13.00         | -30.58          | H        |
| 3815.04                                                                           | -35.46        | 12.60    | 12.93 | -35.79        | -13.00         | -22.79          | V        |
| 5722.10                                                                           | -34.70        | 13.10    | 17.11 | -38.71        | -13.00         | -25.71          | V        |
| 7630.24                                                                           | -32.55        | 11.50    | 22.20 | -43.25        | -13.00         | -30.25          | V        |



| LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3710.12                                                                            | -34.71        | 12.60    | 12.93 | -35.04        | -13.00         | -22.04          | H        |
| 5565.12                                                                            | -35.31        | 13.10    | 17.11 | -39.32        | -13.00         | -26.32          | H        |
| 7419.91                                                                            | -33.01        | 11.50    | 22.20 | -43.71        | -13.00         | -30.71          | H        |
| 3710.12                                                                            | -35.87        | 12.60    | 12.93 | -36.20        | -13.00         | -23.20          | V        |
| 5565.12                                                                            | -34.09        | 13.10    | 17.11 | -38.10        | -13.00         | -25.10          | V        |
| 7419.91                                                                            | -31.79        | 11.50    | 22.20 | -42.49        | -13.00         | -29.49          | V        |
| LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.18                                                                            | -33.67        | 12.60    | 12.93 | -34.00        | -13.00         | -21.00          | H        |
| 5640.25                                                                            | -34.43        | 13.10    | 17.11 | -38.44        | -13.00         | -25.44          | H        |
| 7520.27                                                                            | -33.53        | 11.50    | 22.20 | -44.23        | -13.00         | -31.23          | H        |
| 3760.18                                                                            | -34.62        | 12.60    | 12.93 | -34.95        | -13.00         | -21.95          | V        |
| 5640.25                                                                            | -34.90        | 13.10    | 17.11 | -38.91        | -13.00         | -25.91          | V        |
| 7520.27                                                                            | -33.18        | 11.50    | 22.20 | -43.88        | -13.00         | -30.88          | V        |
| LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3810.17                                                                            | -34.67        | 12.60    | 12.93 | -35.00        | -13.00         | -22.00          | H        |
| 5715.03                                                                            | -34.12        | 13.10    | 17.11 | -38.13        | -13.00         | -25.13          | H        |
| 7620.12                                                                            | -33.49        | 11.50    | 22.20 | -44.19        | -13.00         | -31.19          | H        |
| 3810.17                                                                            | -35.34        | 12.60    | 12.93 | -35.67        | -13.00         | -22.67          | V        |
| 5715.03                                                                            | -35.08        | 13.10    | 17.11 | -39.09        | -13.00         | -26.09          | V        |
| 7620.12                                                                            | -32.29        | 11.50    | 22.20 | -42.99        | -13.00         | -29.99          | V        |



| LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3714.82                                                                            | -34.91        | 12.60    | 12.93 | -35.24        | -13.00         | -22.24          | H        |
| 5572.31                                                                            | -34.40        | 13.10    | 17.11 | -38.41        | -13.00         | -25.41          | H        |
| 7430.41                                                                            | -32.66        | 11.50    | 22.20 | -43.36        | -13.00         | -30.36          | H        |
| 3714.82                                                                            | -34.79        | 12.60    | 12.93 | -35.12        | -13.00         | -22.12          | V        |
| 5572.31                                                                            | -34.60        | 13.10    | 17.11 | -38.61        | -13.00         | -25.61          | V        |
| 7430.41                                                                            | -31.75        | 11.50    | 22.20 | -42.45        | -13.00         | -29.45          | V        |
| LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3759.88                                                                            | -34.86        | 12.60    | 12.93 | -35.19        | -13.00         | -22.19          | H        |
| 5639.96                                                                            | -34.74        | 13.10    | 17.11 | -38.75        | -13.00         | -25.75          | H        |
| 7519.99                                                                            | -33.18        | 11.50    | 22.20 | -43.88        | -13.00         | -30.88          | H        |
| 3759.88                                                                            | -35.50        | 12.60    | 12.93 | -35.83        | -13.00         | -22.83          | V        |
| 5639.96                                                                            | -35.20        | 13.10    | 17.11 | -39.21        | -13.00         | -26.21          | V        |
| 7519.99                                                                            | -32.92        | 11.50    | 22.20 | -43.62        | -13.00         | -30.62          | V        |
| LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3805.11                                                                            | -33.62        | 12.60    | 12.93 | -33.95        | -13.00         | -20.95          | H        |
| 5707.26                                                                            | -35.48        | 13.10    | 17.11 | -39.49        | -13.00         | -26.49          | H        |
| 7610.14                                                                            | -33.46        | 11.50    | 22.20 | -44.16        | -13.00         | -31.16          | H        |
| 3805.11                                                                            | -35.67        | 12.60    | 12.93 | -36.00        | -13.00         | -23.00          | V        |
| 5707.26                                                                            | -33.91        | 13.10    | 17.11 | -37.92        | -13.00         | -24.92          | V        |
| 7610.14                                                                            | -32.12        | 11.50    | 22.20 | -42.82        | -13.00         | -29.82          | V        |



| LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3720.19                                                                            | -34.04        | 12.60    | 12.93 | -34.37        | -13.00         | -21.37          | H        |
| 5580.18                                                                            | -34.71        | 13.10    | 17.11 | -38.72        | -13.00         | -25.72          | H        |
| 7439.75                                                                            | -32.73        | 11.50    | 22.20 | -43.43        | -13.00         | -30.43          | H        |
| 3720.19                                                                            | -35.65        | 12.60    | 12.93 | -35.98        | -13.00         | -22.98          | V        |
| 5580.18                                                                            | -34.90        | 13.10    | 17.11 | -38.91        | -13.00         | -25.91          | V        |
| 7439.75                                                                            | -32.82        | 11.50    | 22.20 | -43.52        | -13.00         | -30.52          | V        |
| LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3760.21                                                                            | -33.51        | 12.60    | 12.93 | -33.84        | -13.00         | -20.84          | H        |
| 5639.87                                                                            | -34.49        | 13.10    | 17.11 | -38.50        | -13.00         | -25.50          | H        |
| 7520.17                                                                            | -33.08        | 11.50    | 22.20 | -43.78        | -13.00         | -30.78          | H        |
| 3760.21                                                                            | -35.99        | 12.60    | 12.93 | -36.32        | -13.00         | -23.32          | V        |
| 5639.87                                                                            | -33.77        | 13.10    | 17.11 | -37.78        | -13.00         | -24.78          | V        |
| 7520.17                                                                            | -32.26        | 11.50    | 22.20 | -42.96        | -13.00         | -29.96          | V        |
| LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3799.75                                                                            | -33.96        | 12.60    | 12.93 | -34.29        | -13.00         | -21.29          | H        |
| 5699.81                                                                            | -35.41        | 13.10    | 17.11 | -39.42        | -13.00         | -26.42          | H        |
| 7599.89                                                                            | -32.33        | 11.50    | 22.20 | -43.03        | -13.00         | -30.03          | H        |
| 3799.75                                                                            | -35.77        | 12.60    | 12.93 | -36.10        | -13.00         | -23.10          | V        |
| 5699.81                                                                            | -34.91        | 13.10    | 17.11 | -38.92        | -13.00         | -25.92          | V        |
| 7599.89                                                                            | -31.72        | 11.50    | 22.20 | -42.42        | -13.00         | -29.42          | V        |



| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3420.90                                                                             | -34.90        | 12.90    | 12.56 | -34.56        | -13.00         | -21.56          | H        |
| 5131.76                                                                             | -34.94        | 13.10    | 16.32 | -38.16        | -13.00         | -25.16          | H        |
| 6842.63                                                                             | -33.13        | 12.33    | 21.13 | -41.93        | -13.00         | -28.93          | H        |
| 3420.90                                                                             | -35.45        | 12.90    | 12.56 | -35.11        | -13.00         | -22.11          | V        |
| 5131.76                                                                             | -33.90        | 13.10    | 16.32 | -37.12        | -13.00         | -24.12          | V        |
| 6842.63                                                                             | -32.89        | 12.33    | 21.13 | -41.69        | -13.00         | -28.69          | V        |
| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3464.64                                                                             | -33.66        | 12.90    | 12.56 | -33.32        | -13.00         | -20.32          | H        |
| 5196.80                                                                             | -35.02        | 13.10    | 16.32 | -38.24        | -13.00         | -25.24          | H        |
| 6929.85                                                                             | -33.19        | 12.33    | 21.13 | -41.99        | -13.00         | -28.99          | H        |
| 3464.64                                                                             | -34.71        | 12.90    | 12.56 | -34.37        | -13.00         | -21.37          | V        |
| 5196.80                                                                             | -34.17        | 13.10    | 16.32 | -37.39        | -13.00         | -24.39          | V        |
| 6929.85                                                                             | -32.95        | 12.33    | 21.13 | -41.75        | -13.00         | -28.75          | V        |
| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3508.29                                                                             | -34.13        | 12.90    | 12.56 | -33.79        | -13.00         | -20.79          | H        |
| 5262.29                                                                             | -35.19        | 13.10    | 16.32 | -38.41        | -13.00         | -25.41          | H        |
| 7015.56                                                                             | -32.70        | 12.33    | 21.13 | -41.50        | -13.00         | -28.50          | H        |
| 3508.29                                                                             | -35.18        | 12.90    | 12.56 | -34.84        | -13.00         | -21.84          | V        |
| 5262.29                                                                             | -33.97        | 13.10    | 16.32 | -37.19        | -13.00         | -24.19          | V        |
| 7015.56                                                                             | -32.78        | 12.33    | 21.13 | -41.58        | -13.00         | -28.58          | V        |



| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-----------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3423.72                                                                           | -33.73        | 12.90    | 12.56 | -33.39        | -13.00         | -20.39          | H        |
| 5135.84                                                                           | -35.20        | 13.10    | 16.32 | -38.42        | -13.00         | -25.42          | H        |
| 6848.84                                                                           | -32.53        | 12.33    | 21.13 | -41.33        | -13.00         | -28.33          | H        |
| 3423.72                                                                           | -35.32        | 12.90    | 12.56 | -34.98        | -13.00         | -21.98          | V        |
| 5135.84                                                                           | -34.93        | 13.10    | 16.32 | -38.15        | -13.00         | -25.15          | V        |
| 6848.84                                                                           | -32.14        | 12.33    | 21.13 | -40.94        | -13.00         | -27.94          | V        |
| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3464.47                                                                           | -34.65        | 12.90    | 12.56 | -34.31        | -13.00         | -21.31          | H        |
| 5196.68                                                                           | -34.07        | 13.10    | 16.32 | -37.29        | -13.00         | -24.29          | H        |
| 6930.00                                                                           | -32.21        | 12.33    | 21.13 | -41.01        | -13.00         | -28.01          | H        |
| 3464.47                                                                           | -34.53        | 12.90    | 12.56 | -34.19        | -13.00         | -21.19          | V        |
| 5196.68                                                                           | -33.96        | 13.10    | 16.32 | -37.18        | -13.00         | -24.18          | V        |
| 6930.00                                                                           | -32.65        | 12.33    | 21.13 | -41.45        | -13.00         | -28.45          | V        |
| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3505.95                                                                           | -34.39        | 12.90    | 12.56 | -34.05        | -13.00         | -21.05          | H        |
| 5261.66                                                                           | -34.15        | 13.10    | 16.32 | -37.37        | -13.00         | -24.37          | H        |
| 7012.68                                                                           | -32.92        | 12.33    | 21.13 | -41.72        | -13.00         | -28.72          | H        |
| 3505.95                                                                           | -35.52        | 12.90    | 12.56 | -35.18        | -13.00         | -22.18          | V        |
| 5261.66                                                                           | -34.39        | 13.10    | 16.32 | -37.61        | -13.00         | -24.61          | V        |
| 7012.68                                                                           | -32.80        | 12.33    | 21.13 | -41.60        | -13.00         | -28.60          | V        |



| LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-----------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3424.84                                                                           | -34.19        | 12.90    | 12.56 | -33.85        | -13.00         | -20.85          | H        |
| 5136.99                                                                           | -35.17        | 13.10    | 16.32 | -38.39        | -13.00         | -25.39          | H        |
| 6849.67                                                                           | -33.29        | 12.33    | 21.13 | -42.09        | -13.00         | -29.09          | H        |
| 3424.84                                                                           | -34.58        | 12.90    | 12.56 | -34.24        | -13.00         | -21.24          | V        |
| 5136.99                                                                           | -34.59        | 13.10    | 16.32 | -37.81        | -13.00         | -24.81          | V        |
| 6849.67                                                                           | -32.98        | 12.33    | 21.13 | -41.78        | -13.00         | -28.78          | V        |
| LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3464.69                                                                           | -34.83        | 12.90    | 12.56 | -34.49        | -13.00         | -21.49          | H        |
| 5196.90                                                                           | -35.12        | 13.10    | 16.32 | -38.34        | -13.00         | -25.34          | H        |
| 6929.56                                                                           | -32.46        | 12.33    | 21.13 | -41.26        | -13.00         | -28.26          | H        |
| 3464.69                                                                           | -35.77        | 12.90    | 12.56 | -35.43        | -13.00         | -22.43          | V        |
| 5196.90                                                                           | -35.13        | 13.10    | 16.32 | -38.35        | -13.00         | -25.35          | V        |
| 6929.56                                                                           | -33.04        | 12.33    | 21.13 | -41.84        | -13.00         | -28.84          | V        |
| LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3505.11                                                                           | -34.03        | 12.90    | 12.56 | -33.69        | -13.00         | -20.69          | H        |
| 5256.85                                                                           | -35.26        | 13.10    | 16.32 | -38.48        | -13.00         | -25.48          | H        |
| 7010.05                                                                           | -32.40        | 12.33    | 21.13 | -41.20        | -13.00         | -28.20          | H        |
| 3505.11                                                                           | -35.97        | 12.90    | 12.56 | -35.63        | -13.00         | -22.63          | V        |
| 5256.85                                                                           | -34.18        | 13.10    | 16.32 | -37.40        | -13.00         | -24.40          | V        |
| 7010.05                                                                           | -31.82        | 12.33    | 21.13 | -40.62        | -13.00         | -27.62          | V        |



| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3429.75                                                                            | -34.10        | 12.90    | 12.56 | -33.76     | -13.00      | -20.76       | H        |
| 5145.09                                                                            | -34.31        | 13.10    | 16.32 | -37.53     | -13.00      | -24.53       | H        |
| 6860.14                                                                            | -32.61        | 12.33    | 21.13 | -41.41     | -13.00      | -28.41       | H        |
| 3429.75                                                                            | -34.67        | 12.90    | 12.56 | -34.33     | -13.00      | -21.33       | V        |
| 5145.09                                                                            | -34.26        | 13.10    | 16.32 | -37.48     | -13.00      | -24.48       | V        |
| 6860.14                                                                            | -31.82        | 12.33    | 21.13 | -40.62     | -13.00      | -27.62       | V        |
| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3464.75                                                                            | -34.19        | 12.90    | 12.56 | -33.85     | -13.00      | -20.85       | H        |
| 5196.72                                                                            | -34.32        | 13.10    | 16.32 | -37.54     | -13.00      | -24.54       | H        |
| 6929.86                                                                            | -32.55        | 12.33    | 21.13 | -41.35     | -13.00      | -28.35       | H        |
| 3464.75                                                                            | -35.53        | 12.90    | 12.56 | -35.19     | -13.00      | -22.19       | V        |
| 5196.72                                                                            | -34.78        | 13.10    | 16.32 | -38.00     | -13.00      | -25.00       | V        |
| 6929.86                                                                            | -31.98        | 12.33    | 21.13 | -40.78     | -13.00      | -27.78       | V        |
| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3500.20                                                                            | -33.97        | 12.90    | 12.56 | -33.63     | -13.00      | -20.63       | H        |
| 5250.10                                                                            | -35.05        | 13.10    | 16.32 | -38.27     | -13.00      | -25.27       | H        |
| 6999.79                                                                            | -33.17        | 12.33    | 21.13 | -41.97     | -13.00      | -28.97       | H        |
| 3500.20                                                                            | -35.57        | 12.90    | 12.56 | -35.23     | -13.00      | -22.23       | V        |
| 5250.10                                                                            | -35.25        | 13.10    | 16.32 | -38.47     | -13.00      | -25.47       | V        |
| 6999.79                                                                            | -32.86        | 12.33    | 21.13 | -41.66     | -13.00      | -28.66       | V        |



| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3434.72                                                                            | -33.63        | 12.90    | 12.56 | -33.29     | -13.00      | -20.29       | H        |
| 5152.31                                                                            | -35.11        | 13.10    | 16.32 | -38.33     | -13.00      | -25.33       | H        |
| 6870.45                                                                            | -33.29        | 12.33    | 21.13 | -42.09     | -13.00      | -29.09       | H        |
| 3434.72                                                                            | -35.31        | 12.90    | 12.56 | -34.97     | -13.00      | -21.97       | V        |
| 5152.31                                                                            | -34.29        | 13.10    | 16.32 | -37.51     | -13.00      | -24.51       | V        |
| 6870.45                                                                            | -32.13        | 12.33    | 21.13 | -40.93     | -13.00      | -27.93       | V        |
| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3464.85                                                                            | -34.81        | 12.90    | 12.56 | -34.47     | -13.00      | -21.47       | H        |
| 5196.58                                                                            | -33.99        | 13.10    | 16.32 | -37.21     | -13.00      | -24.21       | H        |
| 6929.92                                                                            | -32.20        | 12.33    | 21.13 | -41.00     | -13.00      | -28.00       | H        |
| 3464.85                                                                            | -35.29        | 12.90    | 12.56 | -34.95     | -13.00      | -21.95       | V        |
| 5196.58                                                                            | -34.36        | 13.10    | 16.32 | -37.58     | -13.00      | -24.58       | V        |
| 6929.92                                                                            | -32.23        | 12.33    | 21.13 | -41.03     | -13.00      | -28.03       | V        |
| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3495.36                                                                            | -34.46        | 12.90    | 12.56 | -34.12     | -13.00      | -21.12       | H        |
| 5242.07                                                                            | -34.94        | 13.10    | 16.32 | -38.16     | -13.00      | -25.16       | H        |
| 6990.14                                                                            | -33.54        | 12.33    | 21.13 | -42.34     | -13.00      | -29.34       | H        |
| 3495.36                                                                            | -35.17        | 12.90    | 12.56 | -34.83     | -13.00      | -21.83       | V        |
| 5242.07                                                                            | -34.33        | 13.10    | 16.32 | -37.55     | -13.00      | -24.55       | V        |
| 6990.14                                                                            | -32.64        | 12.33    | 21.13 | -41.44     | -13.00      | -28.44       | V        |



| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3439.90                                                                            | -34.54        | 12.90    | 12.56 | -34.20     | -13.00      | -21.20       | H        |
| 5160.21                                                                            | -34.53        | 13.10    | 16.32 | -37.75     | -13.00      | -24.75       | H        |
| 6880.82                                                                            | -33.15        | 12.33    | 21.13 | -41.95     | -13.00      | -28.95       | H        |
| 3439.90                                                                            | -34.66        | 12.90    | 12.56 | -34.32     | -13.00      | -21.32       | V        |
| 5160.21                                                                            | -34.45        | 13.10    | 16.32 | -37.67     | -13.00      | -24.67       | V        |
| 6880.82                                                                            | -32.60        | 12.33    | 21.13 | -41.40     | -13.00      | -28.40       | V        |
| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3464.76                                                                            | -34.90        | 12.90    | 12.56 | -34.56     | -13.00      | -21.56       | H        |
| 5196.49                                                                            | -34.72        | 13.10    | 16.32 | -37.94     | -13.00      | -24.94       | H        |
| 6929.82                                                                            | -32.93        | 12.33    | 21.13 | -41.73     | -13.00      | -28.73       | H        |
| 3464.76                                                                            | -35.31        | 12.90    | 12.56 | -34.97     | -13.00      | -21.97       | V        |
| 5196.49                                                                            | -34.75        | 13.10    | 16.32 | -37.97     | -13.00      | -24.97       | V        |
| 6929.82                                                                            | -31.98        | 12.33    | 21.13 | -40.78     | -13.00      | -27.78       | V        |
| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3490.44                                                                            | -34.14        | 12.90    | 12.56 | -33.80     | -13.00      | -20.80       | H        |
| 5235.26                                                                            | -34.01        | 13.10    | 16.32 | -37.23     | -13.00      | -24.23       | H        |
| 6979.49                                                                            | -33.62        | 12.33    | 21.13 | -42.42     | -13.00      | -29.42       | H        |
| 3490.44                                                                            | -35.84        | 12.90    | 12.56 | -35.50     | -13.00      | -22.50       | V        |
| 5235.26                                                                            | -33.75        | 13.10    | 16.32 | -36.97     | -13.00      | -23.97       | V        |
| 6979.49                                                                            | -32.35        | 12.33    | 21.13 | -41.15     | -13.00      | -28.15       | V        |



| LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1648.81                                                                             | -34.17        | 9.56     | 9.72  | -34.33     | -13.00      | -21.33       | H        |
| 2473.49                                                                             | -34.30        | 10.50    | 10.86 | -34.66     | -13.00      | -21.66       | H        |
| 3298.67                                                                             | -32.48        | 12.78    | 11.57 | -31.27     | -13.00      | -18.27       | H        |
| 1648.81                                                                             | -34.65        | 9.56     | 9.72  | -34.81     | -13.00      | -21.81       | V        |
| 2473.49                                                                             | -34.14        | 10.50    | 10.86 | -34.50     | -13.00      | -21.50       | V        |
| 3298.67                                                                             | -32.29        | 12.78    | 11.57 | -31.08     | -13.00      | -18.08       | V        |
| LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1672.81                                                                             | -34.34        | 9.56     | 9.72  | -34.50     | -13.00      | -21.50       | H        |
| 2509.11                                                                             | -34.49        | 10.50    | 10.86 | -34.85     | -13.00      | -21.85       | H        |
| 3345.61                                                                             | -33.13        | 12.78    | 11.57 | -31.92     | -13.00      | -18.92       | H        |
| 1672.81                                                                             | -34.95        | 9.56     | 9.72  | -35.11     | -13.00      | -22.11       | V        |
| 2509.11                                                                             | -34.87        | 10.50    | 10.86 | -35.23     | -13.00      | -22.23       | V        |
| 3345.61                                                                             | -32.33        | 12.78    | 11.57 | -31.12     | -13.00      | -18.12       | V        |
| LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1696.12                                                                             | -34.05        | 9.56     | 9.72  | -34.21     | -13.00      | -21.21       | H        |
| 2544.43                                                                             | -34.38        | 10.50    | 10.86 | -34.74     | -13.00      | -21.74       | H        |
| 3393.08                                                                             | -33.06        | 12.78    | 11.57 | -31.85     | -13.00      | -18.85       | H        |
| 1696.12                                                                             | -35.09        | 9.56     | 9.72  | -35.25     | -13.00      | -22.25       | V        |
| 2544.43                                                                             | -34.15        | 10.50    | 10.86 | -34.51     | -13.00      | -21.51       | V        |
| 3393.08                                                                             | -32.14        | 12.78    | 11.57 | -30.93     | -13.00      | -17.93       | V        |



| LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-----------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1650.36                                                                           | -34.09        | 9.56     | 9.72  | -34.25        | -13.00         | -21.25          | H        |
| 2475.73                                                                           | -34.61        | 10.50    | 10.86 | -34.97        | -13.00         | -21.97          | H        |
| 3301.46                                                                           | -32.54        | 12.78    | 11.57 | -31.33        | -13.00         | -18.33          | H        |
| 1650.36                                                                           | -35.58        | 9.56     | 9.72  | -35.74        | -13.00         | -22.74          | V        |
| 2475.73                                                                           | -35.24        | 10.50    | 10.86 | -35.60        | -13.00         | -22.60          | V        |
| 3301.46                                                                           | -32.06        | 12.78    | 11.57 | -30.85        | -13.00         | -17.85          | V        |
| LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1672.48                                                                           | -33.57        | 9.56     | 9.72  | -33.73        | -13.00         | -20.73          | H        |
| 2508.75                                                                           | -35.42        | 10.50    | 10.86 | -35.78        | -13.00         | -22.78          | H        |
| 3345.55                                                                           | -32.81        | 12.78    | 11.57 | -31.60        | -13.00         | -18.60          | H        |
| 1672.48                                                                           | -35.56        | 9.56     | 9.72  | -35.72        | -13.00         | -22.72          | V        |
| 2508.75                                                                           | -34.33        | 10.50    | 10.86 | -34.69        | -13.00         | -21.69          | V        |
| 3345.55                                                                           | -32.05        | 12.78    | 11.57 | -30.84        | -13.00         | -17.84          | V        |
| LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1694.64                                                                           | -33.73        | 9.56     | 9.72  | -33.89        | -13.00         | -20.89          | H        |
| 2542.16                                                                           | -34.54        | 10.50    | 10.86 | -34.90        | -13.00         | -21.90          | H        |
| 3389.18                                                                           | -32.27        | 12.78    | 11.57 | -31.06        | -13.00         | -18.06          | H        |
| 1694.64                                                                           | -34.86        | 9.56     | 9.72  | -35.02        | -13.00         | -22.02          | V        |
| 2542.16                                                                           | -35.02        | 10.50    | 10.86 | -35.38        | -13.00         | -22.38          | V        |
| 3389.18                                                                           | -32.26        | 12.78    | 11.57 | -31.05        | -13.00         | -18.05          | V        |



| LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-----------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1652.37                                                                           | -34.05        | 9.56     | 9.72  | -34.21     | -13.00      | -21.21       | H        |
| 2478.71                                                                           | -34.97        | 10.50    | 10.86 | -35.33     | -13.00      | -22.33       | H        |
| 3305.57                                                                           | -32.39        | 12.78    | 11.57 | -31.18     | -13.00      | -18.18       | H        |
| 1652.37                                                                           | -34.71        | 9.56     | 9.72  | -34.87     | -13.00      | -21.87       | V        |
| 2478.71                                                                           | -34.17        | 10.50    | 10.86 | -34.53     | -13.00      | -21.53       | V        |
| 3305.57                                                                           | -32.55        | 12.78    | 11.57 | -31.34     | -13.00      | -18.34       | V        |
| LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1672.15                                                                           | -34.90        | 9.56     | 9.72  | -35.06     | -13.00      | -22.06       | H        |
| 2508.78                                                                           | -34.95        | 10.50    | 10.86 | -35.31     | -13.00      | -22.31       | H        |
| 3345.52                                                                           | -33.64        | 12.78    | 11.57 | -32.43     | -13.00      | -19.43       | H        |
| 1672.15                                                                           | -34.79        | 9.56     | 9.72  | -34.95     | -13.00      | -21.95       | V        |
| 2508.78                                                                           | -34.12        | 10.50    | 10.86 | -34.48     | -13.00      | -21.48       | V        |
| 3345.52                                                                           | -32.33        | 12.78    | 11.57 | -31.12     | -13.00      | -18.12       | V        |
| LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                    | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1692.30                                                                           | -34.72        | 9.56     | 9.72  | -34.88     | -13.00      | -21.88       | H        |
| 2538.93                                                                           | -34.69        | 10.50    | 10.86 | -35.05     | -13.00      | -22.05       | H        |
| 3385.90                                                                           | -33.17        | 12.78    | 11.57 | -31.96     | -13.00      | -18.96       | H        |
| 1692.30                                                                           | -35.07        | 9.56     | 9.72  | -35.23     | -13.00      | -22.23       | V        |
| 2538.93                                                                           | -34.25        | 10.50    | 10.86 | -34.61     | -13.00      | -21.61       | V        |
| 3385.90                                                                           | -32.49        | 12.78    | 11.57 | -31.28     | -13.00      | -18.28       | V        |



| LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1657.80                                                                            | -34.28        | 9.56     | 9.72  | -34.44     | -13.00      | -21.44       | H        |
| 2486.46                                                                            | -34.57        | 10.50    | 10.86 | -34.93     | -13.00      | -21.93       | H        |
| 3315.39                                                                            | -32.42        | 12.78    | 11.57 | -31.21     | -13.00      | -18.21       | H        |
| 1657.80                                                                            | -35.09        | 9.56     | 9.72  | -35.25     | -13.00      | -22.25       | V        |
| 2486.46                                                                            | -34.67        | 10.50    | 10.86 | -35.03     | -13.00      | -22.03       | V        |
| 3315.39                                                                            | -31.92        | 12.78    | 11.57 | -30.71     | -13.00      | -17.71       | V        |
| LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1672.36                                                                            | -34.38        | 9.56     | 9.72  | -34.54     | -13.00      | -21.54       | H        |
| 2508.77                                                                            | -34.70        | 10.50    | 10.86 | -35.06     | -13.00      | -22.06       | H        |
| 3345.17                                                                            | -33.20        | 12.78    | 11.57 | -31.99     | -13.00      | -18.99       | H        |
| 1672.36                                                                            | -35.60        | 9.56     | 9.72  | -35.76     | -13.00      | -22.76       | V        |
| 2508.77                                                                            | -34.22        | 10.50    | 10.86 | -34.58     | -13.00      | -21.58       | V        |
| 3345.17                                                                            | -32.08        | 12.78    | 11.57 | -30.87     | -13.00      | -17.87       | V        |
| LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1687.75                                                                            | -34.23        | 9.56     | 9.72  | -34.39     | -13.00      | -21.39       | H        |
| 2531.42                                                                            | -35.25        | 10.50    | 10.86 | -35.61     | -13.00      | -22.61       | H        |
| 3375.44                                                                            | -33.58        | 12.78    | 11.57 | -32.37     | -13.00      | -19.37       | H        |
| 1687.75                                                                            | -34.98        | 9.56     | 9.72  | -35.14     | -13.00      | -22.14       | V        |
| 2531.42                                                                            | -34.65        | 10.50    | 10.86 | -35.01     | -13.00      | -22.01       | V        |
| 3375.44                                                                            | -32.11        | 12.78    | 11.57 | -30.90     | -13.00      | -17.90       | V        |



| LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|--------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                       | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1399.35                                                                              | -34.54        | 8.17     | 9.34  | -35.71        | -13.00         | -22.71          | H        |
| 2098.88                                                                              | -35.18        | 9.53     | 10.42 | -36.07        | -13.00         | -23.07          | H        |
| 2798.54                                                                              | -32.91        | 11.27    | 11.12 | -32.76        | -13.00         | -19.76          | H        |
| 1399.35                                                                              | -35.43        | 8.17     | 9.34  | -36.60        | -13.00         | -23.60          | V        |
| 2098.88                                                                              | -34.98        | 9.53     | 10.42 | -35.87        | -13.00         | -22.87          | V        |
| 2798.54                                                                              | -31.99        | 11.27    | 11.12 | -31.84        | -13.00         | -18.84          | V        |
| LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                       | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1414.75                                                                              | -34.47        | 8.17     | 9.34  | -35.64        | -13.00         | -22.64          | H        |
| 2122.10                                                                              | -34.05        | 9.53     | 10.42 | -34.94        | -13.00         | -21.94          | H        |
| 2829.67                                                                              | -33.10        | 11.27    | 11.12 | -32.95        | -13.00         | -19.95          | H        |
| 1414.75                                                                              | -35.23        | 8.17     | 9.34  | -36.40        | -13.00         | -23.40          | V        |
| 2122.10                                                                              | -35.04        | 9.53     | 10.42 | -35.93        | -13.00         | -22.93          | V        |
| 2829.67                                                                              | -31.89        | 11.27    | 11.12 | -31.74        | -13.00         | -18.74          | V        |
| LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                       | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1430.45                                                                              | -34.70        | 8.17     | 9.34  | -35.87        | -13.00         | -22.87          | H        |
| 2145.73                                                                              | -34.81        | 9.53     | 10.42 | -35.70        | -13.00         | -22.70          | H        |
| 2860.82                                                                              | -33.37        | 11.27    | 11.12 | -33.22        | -13.00         | -20.22          | H        |
| 1430.45                                                                              | -35.56        | 8.17     | 9.34  | -36.73        | -13.00         | -23.73          | V        |
| 2145.73                                                                              | -34.08        | 9.53     | 10.42 | -34.97        | -13.00         | -21.97          | V        |
| 2860.82                                                                              | -31.85        | 11.27    | 11.12 | -31.70        | -13.00         | -18.70          | V        |



| LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1400.65                                                                            | -34.40        | 8.17     | 9.34  | -35.57        | -13.00         | -22.57          | H        |
| 2101.30                                                                            | -34.31        | 9.53     | 10.42 | -35.20        | -13.00         | -22.20          | H        |
| 2801.93                                                                            | -33.01        | 11.27    | 11.12 | -32.86        | -13.00         | -19.86          | H        |
| 1400.65                                                                            | -35.10        | 8.17     | 9.34  | -36.27        | -13.00         | -23.27          | V        |
| 2101.30                                                                            | -34.77        | 9.53     | 10.42 | -35.66        | -13.00         | -22.66          | V        |
| 2801.93                                                                            | -32.08        | 11.27    | 11.12 | -31.93        | -13.00         | -18.93          | V        |
| LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1414.67                                                                            | -34.65        | 8.17     | 9.34  | -35.82        | -13.00         | -22.82          | H        |
| 2122.27                                                                            | -34.67        | 9.53     | 10.42 | -35.56        | -13.00         | -22.56          | H        |
| 2829.59                                                                            | -33.42        | 11.27    | 11.12 | -33.27        | -13.00         | -20.27          | H        |
| 1414.67                                                                            | -35.33        | 8.17     | 9.34  | -36.50        | -13.00         | -23.50          | V        |
| 2122.27                                                                            | -35.22        | 9.53     | 10.42 | -36.11        | -13.00         | -23.11          | V        |
| 2829.59                                                                            | -32.72        | 11.27    | 11.12 | -32.57        | -13.00         | -19.57          | V        |
| LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1428.57                                                                            | -33.87        | 8.17     | 9.34  | -35.04        | -13.00         | -22.04          | H        |
| 2143.35                                                                            | -34.56        | 9.53     | 10.42 | -35.45        | -13.00         | -22.45          | H        |
| 2857.80                                                                            | -32.35        | 11.27    | 11.12 | -32.20        | -13.00         | -19.20          | H        |
| 1428.57                                                                            | -34.58        | 8.17     | 9.34  | -35.75        | -13.00         | -22.75          | V        |
| 2143.35                                                                            | -34.42        | 9.53     | 10.42 | -35.31        | -13.00         | -22.31          | V        |
| 2857.80                                                                            | -31.71        | 11.27    | 11.12 | -31.56        | -13.00         | -18.56          | V        |



| LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1402.86                                                                            | -34.94        | 8.17     | 9.34  | -36.11     | -13.00      | -23.11       | H        |
| 2104.32                                                                            | -34.96        | 9.53     | 10.42 | -35.85     | -13.00      | -22.85       | H        |
| 2805.65                                                                            | -32.97        | 11.27    | 11.12 | -32.82     | -13.00      | -19.82       | H        |
| 1402.86                                                                            | -34.61        | 8.17     | 9.34  | -35.78     | -13.00      | -22.78       | V        |
| 2104.32                                                                            | -34.53        | 9.53     | 10.42 | -35.42     | -13.00      | -22.42       | V        |
| 2805.65                                                                            | -32.57        | 11.27    | 11.12 | -32.42     | -13.00      | -19.42       | V        |
| LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1414.87                                                                            | -34.80        | 8.17     | 9.34  | -35.97     | -13.00      | -22.97       | H        |
| 2122.49                                                                            | -34.46        | 9.53     | 10.42 | -35.35     | -13.00      | -22.35       | H        |
| 2829.66                                                                            | -33.28        | 11.27    | 11.12 | -33.13     | -13.00      | -20.13       | H        |
| 1414.87                                                                            | -34.54        | 8.17     | 9.34  | -35.71     | -13.00      | -22.71       | V        |
| 2122.49                                                                            | -34.02        | 9.53     | 10.42 | -34.91     | -13.00      | -21.91       | V        |
| 2829.66                                                                            | -32.73        | 11.27    | 11.12 | -32.58     | -13.00      | -19.58       | V        |
| LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1426.75                                                                            | -33.82        | 8.17     | 9.34  | -34.99     | -13.00      | -21.99       | H        |
| 2140.31                                                                            | -34.71        | 9.53     | 10.42 | -35.60     | -13.00      | -22.60       | H        |
| 2853.77                                                                            | -33.35        | 11.27    | 11.12 | -33.20     | -13.00      | -20.20       | H        |
| 1426.75                                                                            | -35.50        | 8.17     | 9.34  | -36.67     | -13.00      | -23.67       | V        |
| 2140.31                                                                            | -33.97        | 9.53     | 10.42 | -34.86     | -13.00      | -21.86       | V        |
| 2853.77                                                                            | -33.20        | 11.27    | 11.12 | -33.05     | -13.00      | -20.05       | V        |



| LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1407.85                                                                             | -33.80        | 8.17     | 9.34  | -34.97     | -13.00      | -21.97       | H        |
| 2111.77                                                                             | -35.20        | 9.53     | 10.42 | -36.09     | -13.00      | -23.09       | H        |
| 2815.62                                                                             | -32.48        | 11.27    | 11.12 | -32.33     | -13.00      | -19.33       | H        |
| 1407.85                                                                             | -34.59        | 8.17     | 9.34  | -35.76     | -13.00      | -22.76       | V        |
| 2111.77                                                                             | -35.00        | 9.53     | 10.42 | -35.89     | -13.00      | -22.89       | V        |
| 2815.62                                                                             | -32.29        | 11.27    | 11.12 | -32.14     | -13.00      | -19.14       | V        |
| LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1414.64                                                                             | -33.77        | 8.17     | 9.34  | -34.94     | -13.00      | -21.94       | H        |
| 2122.03                                                                             | -34.43        | 9.53     | 10.42 | -35.32     | -13.00      | -22.32       | H        |
| 2829.61                                                                             | -32.24        | 11.27    | 11.12 | -32.09     | -13.00      | -19.09       | H        |
| 1414.64                                                                             | -34.58        | 8.17     | 9.34  | -35.75     | -13.00      | -22.75       | V        |
| 2122.03                                                                             | -34.19        | 9.53     | 10.42 | -35.08     | -13.00      | -22.08       | V        |
| 2829.61                                                                             | -32.95        | 11.27    | 11.12 | -32.80     | -13.00      | -19.80       | V        |
| LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1421.94                                                                             | -34.03        | 8.17     | 9.34  | -35.20     | -13.00      | -22.20       | H        |
| 2132.76                                                                             | -34.93        | 9.53     | 10.42 | -35.82     | -13.00      | -22.82       | H        |
| 2843.53                                                                             | -33.29        | 11.27    | 11.12 | -33.14     | -13.00      | -20.14       | H        |
| 1421.94                                                                             | -34.98        | 8.17     | 9.34  | -36.15     | -13.00      | -23.15       | V        |
| 2132.76                                                                             | -34.30        | 9.53     | 10.42 | -35.19     | -13.00      | -22.19       | V        |
| 2843.53                                                                             | -33.21        | 11.27    | 11.12 | -33.06     | -13.00      | -20.06       | V        |



| LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1413.33                                                                            | -33.79        | 8.17     | 9.34  | -34.96     | -13.00      | -21.96       | H        |
| 2120.35                                                                            | -35.38        | 9.53     | 10.42 | -36.27     | -13.00      | -23.27       | H        |
| 2826.59                                                                            | -33.63        | 11.27    | 11.12 | -33.48     | -13.00      | -20.48       | H        |
| 1413.33                                                                            | -35.37        | 8.17     | 9.34  | -36.54     | -13.00      | -23.54       | V        |
| 2120.35                                                                            | -35.25        | 9.53     | 10.42 | -36.14     | -13.00      | -23.14       | V        |
| 2826.59                                                                            | -32.30        | 11.27    | 11.12 | -32.15     | -13.00      | -19.15       | V        |
| LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1420.08                                                                            | -33.95        | 8.17     | 9.34  | -35.12     | -13.00      | -22.12       | H        |
| 2130.20                                                                            | -35.23        | 9.53     | 10.42 | -36.12     | -13.00      | -23.12       | H        |
| 2839.88                                                                            | -32.76        | 11.27    | 11.12 | -32.61     | -13.00      | -19.61       | H        |
| 1420.08                                                                            | -34.75        | 8.17     | 9.34  | -35.92     | -13.00      | -22.92       | V        |
| 2130.20                                                                            | -34.42        | 9.53     | 10.42 | -35.31     | -13.00      | -22.31       | V        |
| 2839.88                                                                            | -32.52        | 11.27    | 11.12 | -32.37     | -13.00      | -19.37       | V        |
| LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1425.95                                                                            | -34.24        | 8.17     | 9.34  | -35.41     | -13.00      | -22.41       | H        |
| 2139.14                                                                            | -34.01        | 9.53     | 10.42 | -34.90     | -13.00      | -21.90       | H        |
| 2852.66                                                                            | -32.23        | 11.27    | 11.12 | -32.08     | -13.00      | -19.08       | H        |
| 1425.95                                                                            | -35.69        | 8.17     | 9.34  | -36.86     | -13.00      | -23.86       | V        |
| 2139.14                                                                            | -34.83        | 9.53     | 10.42 | -35.72     | -13.00      | -22.72       | V        |
| 2852.66                                                                            | -33.21        | 11.27    | 11.12 | -33.06     | -13.00      | -20.06       | V        |



| LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1418.26                                                                             | -34.60        | 8.17     | 9.34  | -35.77        | -13.00         | -22.77          | H        |
| 2127.49                                                                             | -34.44        | 9.53     | 10.42 | -35.33        | -13.00         | -22.33          | H        |
| 2836.63                                                                             | -33.49        | 11.27    | 11.12 | -33.34        | -13.00         | -20.34          | H        |
| 1418.26                                                                             | -35.01        | 8.17     | 9.34  | -36.18        | -13.00         | -23.18          | V        |
| 2127.49                                                                             | -34.02        | 9.53     | 10.42 | -34.91        | -13.00         | -21.91          | V        |
| 2836.63                                                                             | -32.41        | 11.27    | 11.12 | -32.26        | -13.00         | -19.26          | V        |
| LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1420.01                                                                             | -34.49        | 8.17     | 9.34  | -35.66        | -13.00         | -22.66          | H        |
| 2129.81                                                                             | -34.51        | 9.53     | 10.42 | -35.40        | -13.00         | -22.40          | H        |
| 2840.09                                                                             | -32.88        | 11.27    | 11.12 | -32.73        | -13.00         | -19.73          | H        |
| 1420.01                                                                             | -34.79        | 8.17     | 9.34  | -35.96        | -13.00         | -22.96          | V        |
| 2129.81                                                                             | -33.96        | 9.53     | 10.42 | -34.85        | -13.00         | -21.85          | V        |
| 2840.09                                                                             | -32.70        | 11.27    | 11.12 | -32.55        | -13.00         | -19.55          | V        |
| LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 1421.17                                                                             | -33.67        | 8.17     | 9.34  | -34.84        | -13.00         | -21.84          | H        |
| 2131.97                                                                             | -34.48        | 9.53     | 10.42 | -35.37        | -13.00         | -22.37          | H        |
| 2842.53                                                                             | -32.75        | 11.27    | 11.12 | -32.60        | -13.00         | -19.60          | H        |
| 1421.17                                                                             | -35.73        | 8.17     | 9.34  | -36.90        | -13.00         | -23.90          | V        |
| 2131.97                                                                             | -34.94        | 9.53     | 10.42 | -35.83        | -13.00         | -22.83          | V        |
| 2842.53                                                                             | -31.76        | 11.27    | 11.12 | -31.61        | -13.00         | -18.61          | V        |



| LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |               |                |                 |          |
|--------------------------------------------------------------------------------------|---------------|----------|-------|---------------|----------------|-----------------|----------|
| Frequency(MHz)                                                                       | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3421.40                                                                              | -33.47        | 12.90    | 12.56 | -33.13        | -13.00         | -20.13          | H        |
| 5131.99                                                                              | -35.46        | 13.10    | 16.32 | -38.68        | -13.00         | -25.68          | H        |
| 6842.41                                                                              | -33.02        | 12.33    | 21.13 | -41.82        | -13.00         | -28.82          | H        |
| 3421.40                                                                              | -35.49        | 12.90    | 12.56 | -35.15        | -13.00         | -22.15          | V        |
| 5131.99                                                                              | -34.97        | 13.10    | 16.32 | -38.19        | -13.00         | -25.19          | V        |
| 6842.41                                                                              | -32.90        | 12.33    | 21.13 | -41.70        | -13.00         | -28.70          | V        |
| LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                       | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3490.24                                                                              | -33.57        | 12.90    | 12.56 | -33.23        | -13.00         | -20.23          | H        |
| 5235.23                                                                              | -34.64        | 13.10    | 16.32 | -37.86        | -13.00         | -24.86          | H        |
| 6980.08                                                                              | -33.45        | 12.33    | 21.13 | -42.25        | -13.00         | -29.25          | H        |
| 3490.24                                                                              | -35.44        | 12.90    | 12.56 | -35.10        | -13.00         | -22.10          | V        |
| 5235.23                                                                              | -35.04        | 13.10    | 16.32 | -38.26        | -13.00         | -25.26          | V        |
| 6980.08                                                                              | -32.94        | 12.33    | 21.13 | -41.74        | -13.00         | -28.74          | V        |
| LTE Band 66 / 1.4MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |               |                |                 |          |
| Frequency(MHz)                                                                       | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea<br>(dBm) | Limit<br>(dBm) | Margin<br>(dBm) | Polarity |
| 3558.14                                                                              | -34.92        | 12.90    | 12.56 | -34.58        | -13.00         | -21.58          | H        |
| 5337.02                                                                              | -34.74        | 13.10    | 16.32 | -37.96        | -13.00         | -24.96          | H        |
| 7116.74                                                                              | -33.13        | 12.33    | 21.13 | -41.93        | -13.00         | -28.93          | H        |
| 3558.14                                                                              | -35.52        | 12.90    | 12.56 | -35.18        | -13.00         | -22.18          | V        |
| 5337.02                                                                              | -34.92        | 13.10    | 16.32 | -38.14        | -13.00         | -25.14          | V        |
| 7116.74                                                                              | -32.28        | 12.33    | 21.13 | -41.08        | -13.00         | -28.08          | V        |



| LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3423.27                                                                            | -33.47        | 12.90    | 12.56 | -33.13     | -13.00      | -20.13       | H        |
| 5134.24                                                                            | -35.25        | 13.10    | 16.32 | -38.47     | -13.00      | -25.47       | H        |
| 6846.09                                                                            | -33.06        | 12.33    | 21.13 | -41.86     | -13.00      | -28.86       | H        |
| 3423.27                                                                            | -35.67        | 12.90    | 12.56 | -35.33     | -13.00      | -22.33       | V        |
| 5134.24                                                                            | -34.20        | 13.10    | 16.32 | -37.42     | -13.00      | -24.42       | V        |
| 6846.09                                                                            | -33.18        | 12.33    | 21.13 | -41.98     | -13.00      | -28.98       | V        |
| LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3489.92                                                                            | -33.66        | 12.90    | 12.56 | -33.32     | -13.00      | -20.32       | H        |
| 5234.92                                                                            | -34.77        | 13.10    | 16.32 | -37.99     | -13.00      | -24.99       | H        |
| 6979.99                                                                            | -32.21        | 12.33    | 21.13 | -41.01     | -13.00      | -28.01       | H        |
| 3489.92                                                                            | -34.92        | 12.90    | 12.56 | -34.58     | -13.00      | -21.58       | V        |
| 5234.92                                                                            | -34.07        | 13.10    | 16.32 | -37.29     | -13.00      | -24.29       | V        |
| 6979.99                                                                            | -31.94        | 12.33    | 21.13 | -40.74     | -13.00      | -27.74       | V        |
| LTE Band 66 / 3MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3557.21                                                                            | -33.63        | 12.90    | 12.56 | -33.29     | -13.00      | -20.29       | H        |
| 5262.44                                                                            | -34.86        | 13.10    | 16.32 | -38.08     | -13.00      | -25.08       | H        |
| 7114.09                                                                            | -32.52        | 12.33    | 21.13 | -41.32     | -13.00      | -28.32       | H        |
| 3557.21                                                                            | -35.53        | 12.90    | 12.56 | -35.19     | -13.00      | -22.19       | V        |
| 5262.44                                                                            | -34.69        | 13.10    | 16.32 | -37.91     | -13.00      | -24.91       | V        |
| 7114.09                                                                            | -33.05        | 12.33    | 21.13 | -41.85     | -13.00      | -28.85       | V        |



| LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3425.29                                                                            | -34.39        | 12.90    | 12.56 | -34.05     | -13.00      | -21.05       | H        |
| 5137.47                                                                            | -34.36        | 13.10    | 16.32 | -37.58     | -13.00      | -24.58       | H        |
| 6849.98                                                                            | -32.87        | 12.33    | 21.13 | -41.67     | -13.00      | -28.67       | H        |
| 3425.29                                                                            | -34.68        | 12.90    | 12.56 | -34.34     | -13.00      | -21.34       | V        |
| 5137.47                                                                            | -34.13        | 13.10    | 16.32 | -37.35     | -13.00      | -24.35       | V        |
| 6849.98                                                                            | -32.28        | 12.33    | 21.13 | -41.08     | -13.00      | -28.08       | V        |
| LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3489.89                                                                            | -34.73        | 12.90    | 12.56 | -34.39     | -13.00      | -21.39       | H        |
| 5235.04                                                                            | -34.36        | 13.10    | 16.32 | -37.58     | -13.00      | -24.58       | H        |
| 6980.02                                                                            | -32.43        | 12.33    | 21.13 | -41.23     | -13.00      | -28.23       | H        |
| 3489.89                                                                            | -34.64        | 12.90    | 12.56 | -34.30     | -13.00      | -21.30       | V        |
| 5235.04                                                                            | -33.86        | 13.10    | 16.32 | -37.08     | -13.00      | -24.08       | V        |
| 6980.02                                                                            | -32.89        | 12.33    | 21.13 | -41.69     | -13.00      | -28.69       | V        |
| LTE Band 66 / 5MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                     | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3557.99                                                                            | -33.57        | 12.90    | 12.56 | -33.23     | -13.00      | -20.23       | H        |
| 5234.96                                                                            | -34.28        | 13.10    | 16.32 | -37.50     | -13.00      | -24.50       | H        |
| 7110.16                                                                            | -33.11        | 12.33    | 21.13 | -41.91     | -13.00      | -28.91       | H        |
| 3557.99                                                                            | -35.73        | 12.90    | 12.56 | -35.39     | -13.00      | -22.39       | V        |
| 5234.96                                                                            | -34.94        | 13.10    | 16.32 | -38.16     | -13.00      | -25.16       | V        |
| 7110.16                                                                            | -31.82        | 12.33    | 21.13 | -40.62     | -13.00      | -27.62       | V        |



| LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3430.02                                                                             | -34.24        | 12.90    | 12.56 | -33.90     | -13.00      | -20.90       | H        |
| 5144.86                                                                             | -34.41        | 13.10    | 16.32 | -37.63     | -13.00      | -24.63       | H        |
| 6880.19                                                                             | -33.44        | 12.33    | 21.13 | -42.24     | -13.00      | -29.24       | H        |
| 3430.02                                                                             | -35.02        | 12.90    | 12.56 | -34.68     | -13.00      | -21.68       | V        |
| 5144.86                                                                             | -34.90        | 13.10    | 16.32 | -38.12     | -13.00      | -25.12       | V        |
| 6880.19                                                                             | -32.74        | 12.33    | 21.13 | -41.54     | -13.00      | -28.54       | V        |
| LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3489.97                                                                             | -34.24        | 12.90    | 12.56 | -33.90     | -13.00      | -20.90       | H        |
| 5234.94                                                                             | -34.20        | 13.10    | 16.32 | -37.42     | -13.00      | -24.42       | H        |
| 6980.26                                                                             | -32.24        | 12.33    | 21.13 | -41.04     | -13.00      | -28.04       | H        |
| 3489.97                                                                             | -35.70        | 12.90    | 12.56 | -35.36     | -13.00      | -22.36       | V        |
| 5234.94                                                                             | -34.74        | 13.10    | 16.32 | -37.96     | -13.00      | -24.96       | V        |
| 6980.26                                                                             | -33.11        | 12.33    | 21.13 | -41.91     | -13.00      | -28.91       | V        |
| LTE Band 66 / 10MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3550.40                                                                             | -34.68        | 12.90    | 12.56 | -34.34     | -13.00      | -21.34       | H        |
| 5235.13                                                                             | -34.47        | 13.10    | 16.32 | -37.69     | -13.00      | -24.69       | H        |
| 7099.94                                                                             | -32.82        | 12.33    | 21.13 | -41.62     | -13.00      | -28.62       | H        |
| 3550.40                                                                             | -35.21        | 12.90    | 12.56 | -34.87     | -13.00      | -21.87       | V        |
| 5235.13                                                                             | -34.67        | 13.10    | 16.32 | -37.89     | -13.00      | -24.89       | V        |
| 7099.94                                                                             | -32.04        | 12.33    | 21.13 | -40.84     | -13.00      | -27.84       | V        |



| LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3435.09                                                                             | -33.97        | 12.90    | 12.56 | -33.63     | -13.00      | -20.63       | H        |
| 5152.21                                                                             | -34.80        | 13.10    | 16.32 | -38.02     | -13.00      | -25.02       | H        |
| 6870.07                                                                             | -32.85        | 12.33    | 21.13 | -41.65     | -13.00      | -28.65       | H        |
| 3435.09                                                                             | -35.85        | 12.90    | 12.56 | -35.51     | -13.00      | -22.51       | V        |
| 5152.21                                                                             | -33.86        | 13.10    | 16.32 | -37.08     | -13.00      | -24.08       | V        |
| 6870.07                                                                             | -32.53        | 12.33    | 21.13 | -41.33     | -13.00      | -28.33       | V        |
| LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3489.77                                                                             | -34.18        | 12.90    | 12.56 | -33.84     | -13.00      | -20.84       | H        |
| 5235.13                                                                             | -34.82        | 13.10    | 16.32 | -38.04     | -13.00      | -25.04       | H        |
| 6980.10                                                                             | -33.50        | 12.33    | 21.13 | -42.30     | -13.00      | -29.30       | H        |
| 3489.77                                                                             | -35.95        | 12.90    | 12.56 | -35.61     | -13.00      | -22.61       | V        |
| 5235.13                                                                             | -34.86        | 13.10    | 16.32 | -38.08     | -13.00      | -25.08       | V        |
| 6980.10                                                                             | -31.72        | 12.33    | 21.13 | -40.52     | -13.00      | -27.52       | V        |
| LTE Band 66 / 15MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3544.80                                                                             | -33.77        | 12.90    | 12.56 | -33.43     | -13.00      | -20.43       | H        |
| 5332.23                                                                             | -34.47        | 13.10    | 16.32 | -37.69     | -13.00      | -24.69       | H        |
| 7089.78                                                                             | -32.68        | 12.33    | 21.13 | -41.48     | -13.00      | -28.48       | H        |
| 3544.80                                                                             | -35.08        | 12.90    | 12.56 | -34.74     | -13.00      | -21.74       | V        |
| 5332.23                                                                             | -34.65        | 13.10    | 16.32 | -37.87     | -13.00      | -24.87       | V        |
| 7089.78                                                                             | -32.80        | 12.33    | 21.13 | -41.60     | -13.00      | -28.60       | V        |



| LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Lowest  |               |          |       |            |             |              |          |
|-------------------------------------------------------------------------------------|---------------|----------|-------|------------|-------------|--------------|----------|
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3439.82                                                                             | -34.92        | 12.90    | 12.56 | -34.58     | -13.00      | -21.58       | H        |
| 5160.21                                                                             | -34.98        | 13.10    | 16.32 | -38.20     | -13.00      | -25.20       | H        |
| 6879.80                                                                             | -33.22        | 12.33    | 21.13 | -42.02     | -13.00      | -29.02       | H        |
| 3439.82                                                                             | -34.75        | 12.90    | 12.56 | -34.41     | -13.00      | -21.41       | V        |
| 5160.21                                                                             | -34.19        | 13.10    | 16.32 | -37.41     | -13.00      | -24.41       | V        |
| 6879.80                                                                             | -32.93        | 12.33    | 21.13 | -41.73     | -13.00      | -28.73       | V        |
| LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Middle  |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3489.97                                                                             | -34.29        | 12.90    | 12.56 | -33.95     | -13.00      | -20.95       | H        |
| 5235.19                                                                             | -34.86        | 13.10    | 16.32 | -38.08     | -13.00      | -25.08       | H        |
| 6979.83                                                                             | -33.49        | 12.33    | 21.13 | -42.29     | -13.00      | -29.29       | H        |
| 3489.97                                                                             | -35.57        | 12.90    | 12.56 | -35.23     | -13.00      | -22.23       | V        |
| 5235.19                                                                             | -35.12        | 13.10    | 16.32 | -38.34     | -13.00      | -25.34       | V        |
| 6979.83                                                                             | -33.12        | 12.33    | 21.13 | -41.92     | -13.00      | -28.92       | V        |
| LTE Band 66 / 20MHz / QPSK / RB Size 1 Offset 0/ The Worst Test Results for Highest |               |          |       |            |             |              |          |
| Frequency(MHz)                                                                      | S G.Lev (dBm) | Ant(dBi) | Loss  | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3540.18                                                                             | -33.59        | 12.90    | 12.56 | -33.25     | -13.00      | -20.25       | H        |
| 5309.85                                                                             | -35.14        | 13.10    | 16.32 | -38.36     | -13.00      | -25.36       | H        |
| 7080.79                                                                             | -32.42        | 12.33    | 21.13 | -41.22     | -13.00      | -28.22       | H        |
| 3540.18                                                                             | -35.73        | 12.90    | 12.56 | -35.39     | -13.00      | -22.39       | V        |
| 5309.85                                                                             | -35.19        | 13.10    | 16.32 | -38.41     | -13.00      | -25.41       | V        |
| 7080.79                                                                             | -33.18        | 12.33    | 21.13 | -41.98     | -13.00      | -28.98       | V        |



## APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

\*\*\*\*\*END OF THE REPORT\*\*\*\*\*