



# FCC RADIO TEST REPORT

**FCC ID** : ZL5S62PRO  
**Equipment** : Rugged Smart Phone  
**Brand Name** : CAT  
**Model Name** : S62 Pro  
**Applicant** : Bullitt Group  
One Valpy, Valpy Street, Reading,  
Berkshire, England RG1 1AR  
**Standard** : FCC 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Dec. 07, 2020 and testing was started from Dec. 13, 2020 and completed on Dec. 24, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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## History of this test report

| Report No.   | Version | Description                        | Issued Date   |
|--------------|---------|------------------------------------|---------------|
| FG042406-07B | 01      | Initial issue of report            | Jan. 06, 2021 |
| FG042406-07B | 02      | Revising channel list information. | Jan. 26, 2021 |
| FG042406-07B | 03      | Revising test data.                | Feb. 01, 2021 |
|              |         |                                    |               |
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|              |         |                                    |               |
|              |         |                                    |               |
|              |         |                                    |               |



## Summary of Test Result

| Report Clause | Ref Std. Clause                                                                       | Test Items                                                                                                                       | Result (PASS/FAIL) | Remark |
|---------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|
| 3.2           | §2.1046                                                                               | Conducted Output Power                                                                                                           | Reporting only     | -      |
|               | §22.913 (a)(2)                                                                        | Effective Radiated Power (Band 5) (Band 26)                                                                                      | Pass               |        |
|               | §27.50 (b)(10)<br>§27.50 (c)(10)                                                      | Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)                                                                 |                    |        |
|               | §24.232 (c)<br>§27.50 (h)(2)                                                          | Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 41)                                                        |                    |        |
|               | §27.50 (d)(4)                                                                         | Equivalent Isotropic Radiated Power (Band 4) (Band 66)                                                                           |                    |        |
| 3.3           | §24.232 (d)<br>§27.50 (d)(5)                                                          | Peak-to-Average Ratio                                                                                                            | Pass               | -      |
| 3.4           | §2.1049                                                                               | Occupied Bandwidth                                                                                                               | Reporting only     | -      |
| 3.5           | §2.1051<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (c)(2)(4)<br>§27.53 (g)<br>§27.53 (h) | Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | Pass               | -      |
|               | §2.1051<br>§27.53 (m)(4)                                                              | Conducted Band Edge Measurement (Band 7) (Band 41)                                                                               |                    |        |
| 3.6           | §2.1051<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (c)(2)<br>§27.53 (g)<br>§27.53 (h)    | Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)     | Pass               | -      |
|               | §2.1051<br>§27.53 (m)(4)                                                              | Conducted Spurious Emission (Band 7) (Band 41)                                                                                   |                    |        |
| 3.7           | §2.1055<br>§22.355<br>§24.235<br>§27.54                                               | Frequency Stability<br>Temperature & Voltage                                                                                     | Pass               | -      |



| Report Clause | Ref Std. Clause                                                                                  | Test Items                                                                                                                              | Result (PASS/FAIL) | Remark                                                                 |
|---------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------|
| 4.2           | §2.1053<br>§22.917 (a)<br>§24.238 (a)<br>§27.53 (c)(2)<br>§27.53 (f)<br>§27.53 (g)<br>§27.53 (h) | Radiated Spurious Emission<br>(Band 2) (Band 4) (Band 5)<br>(Band 12) (Band 13) (Band 17)<br>(Band 25) (Band 26) (Band 66)<br>(Band 71) | Pass               | Under limit<br>1.98 dB at<br>10107.000 MHz<br>for Main Antenna         |
|               | §2.1051<br>§27.53 (m)(4)                                                                         | Radiated Spurious Emission<br>(Band 7) (Band 41)                                                                                        |                    | Under limit<br>14.71 dB at<br>7046.000 MHz<br>for Diversity<br>Antenna |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang****Report Producer: Vivian Hsu**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC and GNSS.

| Product Specification subjective to this standard |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample 1                                          | Dual SIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sample 2                                          | Single SIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Antenna Type                                      | WWAN<br><b>&lt;Main 1&gt;</b> : PIFA Antenna<br><b>&lt;Main 2&gt;</b> : PIFA Antenna<br><b>&lt;Diversity 1&gt;</b> : PIFA Antenna<br><b>&lt;Diversity 2&gt;</b> : Loop Antenna<br>WLAN 2.4GHz: PIFA Antenna<br>WLAN 5GHz: Mono Pole Antenna<br>Bluetooth: PIFA Antenna<br>GPS/Glonass/BDS/Galileo/SBAS: PIFA Antenna<br>NFC: Loop Antenna                                                                                                                                                   |
| Antenna Gain                                      | <b>&lt;Main 1&gt;</b><br>LTE Band 2: 2.9dBi<br>LTE Band 4: 2.9dBi<br>LTE Band 5: -0.8dBi<br>LTE Band 12: -1.6dBi<br>LTE Band 13: -0.9dBi<br>LTE Band 17: -1.6dBi<br>LTE Band 25: 2.9dBi<br>LTE Band 26: -0.8dBi<br>LTE Band 66: 2.9dBi<br>LTE Band 71: -1.3dBi<br><b>&lt;Main 2&gt;</b><br>LTE Band 7: -2.7dBi<br>LTE Band 41: -2.7dBi<br><b>&lt;Diversity 1&gt;</b><br>LTE Band 4: -1.7dBi<br>LTE Band 12: -4.2dBi<br>LTE Band 17: -4.2dBi<br>LTE Band 66: -1.8dBi<br>LTE Band 71: -4.1dBi |

### Remark:

1. The samples have same layout, circuit and components but different SIM tray. The phone software will identify the loaded sim card combinations whether with single sim card or dual sim cards.
2. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.3 Testing Location

|                    |                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                   |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |
| Test Site No.      | <b>Sporton Site No.</b><br>TH05-HY                                                                                    |
| Test Engineer      | Bryant Liu                                                                                                            |
| Temperature        | 23~24°C                                                                                                               |
| Relative Humidity  | 55~56%                                                                                                                |

|                    |                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                                       |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| Test Site No.      | <b>Sporton Site No.</b><br>03CH12-HY                                                                                                      |
| Test Engineer      | Jack Cheng, Lance Chiang and Chuan Chu                                                                                                    |
| Temperature        | 22.3~26.4°C                                                                                                                               |
| Relative Humidity  | 58~66%                                                                                                                                    |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW0007



## 1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
3. The TAF code is not including all the FCC KDB listed without accreditation.



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z and Accessory (Adapter or Earphone). The worst cases (SIM 1: Main Antenna: X Plane for LTE Band 5B, 13, 41C; Y Plane with Earphone for LTE Band 41, 66, 71; Z Plane for LTE Band 25; Z Plane with Adapter for LTE Band 7; Diversity Antenna: X Plane with Adapter for LTE Band 71; Y Plane with Adapter for LTE Band 66; SIM 2: Main Antenna: X Plane with Earphone for LTE Band 12, 26; Diversity Antenna: X Plane with Earphone for LTE Band 12) were recorded in this report.

| Test Items        | Band | Bandwidth (MHz) |   |   |    |    |    | Modulation |       |       | RB # |      |      | Test Channel |   |   |
|-------------------|------|-----------------|---|---|----|----|----|------------|-------|-------|------|------|------|--------------|---|---|
|                   |      | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 64QAM | 1    | Half | Full | L            | M | H |
| Max. Output Power | 2    | v               | 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 | v |
|                   | 5    | v               | v | v | v  | -  | -  | v          | v     | v     | v    | v    | v    | v            | v | v |
|                   | 7    | -               | - | v | 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 | v |
|                   | 13   | -               | - | v | v  | -  | -  | v          | v     | v     | v    | v    | v    | v            | v | v |
|                   | 17   | -               | - | v | v  | -  | -  | v          | v     | v     | v    | v    | v    | v            | v | v |
|                   | 25   | v               | v | v | v  | v  | v  | v          | v     | v     | v    | v    | v    | v            | v | v |
|                   | 26   | v               | v | v | v  | v  | -  | v          | v     | v     | v    | v    | v    | v            | v | v |
|                   | 41   | -               | - | v | v  | v  | 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 | v |
|                   | 71   | -               | - | v | v  | v  | v  | v          | v     | v     | v    | v    | v    | v            | v | v |



| Test Items             | Band | Bandwidth (MHz)    |   |   |    |    |    | Modulation |       |       | RB # |      |      | Test Channel |   |   |
|------------------------|------|--------------------|---|---|----|----|----|------------|-------|-------|------|------|------|--------------|---|---|
|                        |      | 1.4                | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 64QAM | 1    | Half | Full | L            | M | H |
| Peak-to-Average Ratio  | 2    | Covered by Band 25 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 4    | Covered by Band 66 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 5    | Covered by Band 26 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 7    | -                  | - |   |    |    | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 12   |                    |   |   | v  | -  | -  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 13   | -                  | - |   | v  | -  | -  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 17   | Covered by Band 12 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 25   |                    |   |   |    |    | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 26   |                    |   |   |    | v  | -  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 41   | -                  | - |   |    |    | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 66   |                    |   |   |    |    | v  | v          | v     | v     | v    |      | v    |              | v |   |
|                        | 71   |                    |   |   |    |    | v  | v          | v     | v     | v    |      | v    |              | v |   |
| 26dB and 99% Bandwidth | 2    | Covered by Band 25 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 4    | Covered by Band 66 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 5    | Covered by Band 26 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 7    | -                  | - | v | v  | v  | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 12   | v                  | v | v | v  | -  | -  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 13   | -                  | - | v | v  | -  | -  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 17   | Covered by Band 12 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                        | 25   | v                  | v | v | v  | v  | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 26   | v                  | v | v | v  | v  | -  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 41   | -                  | - | v | v  | v  | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 66   | v                  | v | v | v  | v  | v  | v          | v     | v     |      |      | v    |              | v |   |
|                        | 71   | -                  | - | v | v  | v  | v  | v          | v     | v     |      |      | v    |              | v |   |



| Test Items                  | Band | Bandwidth (MHz)    |   |   |    |    |    | Modulation |       |       | RB # |      |      | Test Channel |   |   |
|-----------------------------|------|--------------------|---|---|----|----|----|------------|-------|-------|------|------|------|--------------|---|---|
|                             |      | 1.4                | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 64QAM | 1    | Half | Full | L            | M | H |
| Conducted Band Edge         | 2    | Covered by Band 25 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 4    | Covered by Band 66 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 5    | Covered by Band 26 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 7    | -                  | - | v | v  | v  | v  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 12   | v                  | v | v | v  | -  | -  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 13   | -                  | - | v | v  | -  | -  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 17   | Covered by Band 12 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 25   | v                  | v | v | v  | v  | v  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 26   | v                  | v | v | v  | v  | -  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 41   | -                  | - | v | v  | v  | v  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 66   | v                  | v | v | v  | v  | v  | v          | v     | v     | v    |      | v    | v            |   | v |
|                             | 71   | -                  | - | v | v  | v  | v  | v          | v     | v     | v    |      | v    | v            |   | v |
| Conducted Spurious Emission | 2    | Covered by Band 25 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 4    | Covered by Band 66 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 5    | Covered by Band 26 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 7    | -                  | - | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 12   | v                  | v | v | v  | -  | -  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 13   | -                  | - | v | v  | -  | -  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 17   | Covered by Band 12 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                             | 25   | v                  | v | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 26   | v                  | v | v | v  | v  | -  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 41   | -                  | - | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 66   | v                  | v | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |
|                             | 71   | -                  | - | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |



| Test Items          | Band | Bandwidth (MHz)    |   |   |    |    |    | Modulation |       |       | RB #      |      |      | Test Channel |   |   |
|---------------------|------|--------------------|---|---|----|----|----|------------|-------|-------|-----------|------|------|--------------|---|---|
|                     |      | 1.4                | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 64QAM | 1         | Half | Full | L            | M | H |
| Frequency Stability | 2    | Covered by Band 25 |   |   |    |    |    |            |       |       |           |      |      |              |   |   |
|                     | 4    | Covered by Band 66 |   |   |    |    |    |            |       |       |           |      |      |              |   |   |
|                     | 5    | Covered by Band 26 |   |   |    |    |    |            |       |       |           |      |      |              |   |   |
|                     | 7    | -                  | - |   | v  |    |    | v          |       |       |           |      | v    |              | v |   |
|                     | 12   |                    |   |   | v  | -  | -  | v          |       |       |           |      | v    |              | v |   |
|                     | 13   | -                  | - |   | v  | -  | -  | v          |       |       |           |      | v    |              | v |   |
|                     | 17   | Covered by Band 12 |   |   |    |    |    |            |       |       |           |      |      |              |   |   |
|                     | 25   |                    |   |   | v  |    |    | v          |       |       |           |      | v    |              | v |   |
|                     | 26   |                    |   |   | v  |    | -  | v          |       |       |           |      | v    |              | v |   |
|                     | 41   | -                  | - |   | v  |    |    | v          |       |       |           |      | v    |              | v |   |
|                     | 66   |                    |   |   | v  |    |    | v          |       |       |           |      | v    |              | v |   |
|                     | 71   | -                  | - |   | v  |    |    | v          |       |       |           |      | v    |              | v |   |
| E.R.P / E.I.R.P     | 2    | v                  | v | v | v  | v  | v  | v          | v     | v     | Max Power |      |      |              |   |   |
|                     | 4    | v                  | v | v | v  | v  | v  | v          | v     | v     |           |      |      |              |   |   |
|                     | 5    | v                  | v | v | v  | -  | -  | v          | v     | v     |           |      |      |              |   |   |
|                     | 7    | -                  | - | v | v  | v  | v  | v          | v     | v     |           |      |      |              |   |   |
|                     | 12   | v                  | v | v | v  | -  | -  | v          | v     | v     |           |      |      |              |   |   |
|                     | 13   | -                  | - | v | v  | -  | -  | v          | v     | v     |           |      |      |              |   |   |
|                     | 17   | -                  | - | v | v  | -  | -  | v          | v     | v     |           |      |      |              |   |   |
|                     | 25   | v                  | v | v | v  | v  | v  | v          | v     | v     |           |      |      |              |   |   |
|                     | 26   | v                  | v | v | v  | v  | -  | v          | v     | v     |           |      |      |              |   |   |
|                     | 41   | -                  | - | v | v  | v  | v  | v          | v     | v     |           |      |      |              |   |   |
|                     | 66   | v                  | v | v | v  | v  | v  | v          | v     | v     |           |      |      |              |   |   |
|                     | 71   | -                  | - | v | v  | v  | v  | v          | v     | v     |           |      |      |              |   |   |



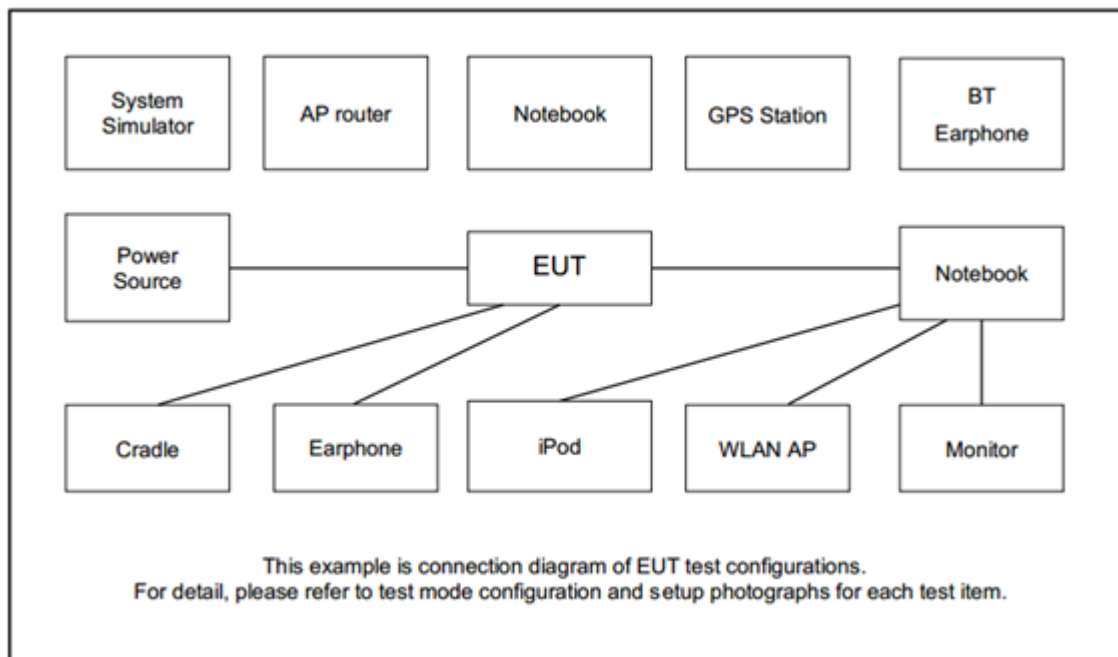
| Test Items                 | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Bandwidth (MHz)    |   |   |    |    |    | Modulation |       |       | RB # |      |      | Test Channel |   |   |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---|---|----|----|----|------------|-------|-------|------|------|------|--------------|---|---|
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.4                | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 64QAM | 1    | Half | Full | L            | M | H |
| Radiated Spurious Emission | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Covered by Band 25 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                            | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Covered by Band 66 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                            | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Covered by Band 26 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                            | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                            | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                            | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                            | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Covered by Band 12 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |
|                            | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                            | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                            | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                            | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case         |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
| 71                         | Worst Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |   |   |    |    |    |            |       |       |      |      | v    | v            | v |   |
| Remark                     | 1. The mark "v " means that this configuration is chosen for testing<br>2. The mark "- " means that this bandwidth is not supported.<br>3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.<br>4. Wider operating range bandwidth covers narrower one when the power is higher or the same.<br>5. All the radiated test cases were performed with Sample 1. |                    |   |   |    |    |    |            |       |       |      |      |      |              |   |   |



| Test Items                  | Band                                                                                                                                                                                                                                                                                                                                                                                                                                               | Bandwidth (MHz) |     |      |      |       | Modulation |       |       | RB #      |      |      | Test Channel |   |   |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|------|------|-------|------------|-------|-------|-----------|------|------|--------------|---|---|
|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3+5             | 5+3 | 5+10 | 10+5 | 10+10 | QPSK       | 16QAM | 64QAM | 1         | Half | Full | L            | M | H |
| Max. Output Power           | 5_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |     | v    | v    | v     | v          | v     | v     | v         | v    | v    | v            | v | v |
| 26dB and 99% Bandwidth      | 5_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |     | v    | v    | v     | v          | v     | v     |           |      | v    |              | v |   |
| Conducted Band Edge         | 5_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |     | v    | v    | v     | v          | v     | v     | v         |      | v    | v            |   | v |
| Conducted Spurious Emission | 5_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |     | v    | v    | v     | v          | v     | v     | v         |      |      | v            | v | v |
| E.R.P.                      | 5_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |     | v    | v    | v     | v          | v     | v     | Max Power |      |      |              |   |   |
| Radiated Spurious Emission  | 5_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | Worst Case      |     |      |      |       |            |       |       |           |      |      | v            | v | v |
| Remark                      | 1. The mark “v” means that this configuration is chosen for testing<br>2. The mark “-” means that this bandwidth is not supported.<br>3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.<br>4. All the radiated test cases were performed with Sample 1. |                 |     |      |      |       |            |       |       |           |      |      |              |   |   |

| Test Items                  | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                | Bandwidth (MHz) |       |       |       |       |      |      |       |       |       | Modulation |       |       | RB #      |      |      | Test Channel |   |   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-------|-------|-------|------|------|-------|-------|-------|------------|-------|-------|-----------|------|------|--------------|---|---|
|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20+20           | 20+15 | 15+20 | 20+10 | 10+20 | 20+5 | 5+20 | 15+15 | 15+10 | 10+15 | QPSK       | 16QAM | 64QAM | 1         | Half | Full | L            | M | H |
| Max. Output Power           | 41_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | v               | v     | v     | v     | v     | v    | v    | v     | v     | v     | v          | v     | v     | v         | v    | v    | v            | v | v |
| 26dB and 99% Bandwidth      | 41_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | v               | v     | v     | v     | v     | v    | v    | v     | v     | v     | v          | v     | v     |           |      | v    |              | v |   |
| Conducted Band Edge         | 41_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | v               | v     | v     | v     | v     | v    | v    | v     | v     | v     | v          | v     | v     | v         |      | v    | v            |   | v |
| Conducted Spurious Emission | 41_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | v               | v     | v     | v     | v     | v    | v    | v     | v     | v     | v          | v     | v     | v         |      |      | v            | v | v |
| E.I.R.P.                    | 41_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | v               | v     | v     | v     | v     | v    | v    | v     | v     | v     | v          | v     | v     | Max Power |      |      |              |   |   |
| Radiated Spurious Emission  | 41_CA                                                                                                                                                                                                                                                                                                                                                                                                                                               | Worst Case      |       |       |       |       |      |      |       |       |       |            |       |       |           |      |      | v            | v | v |
| Remark                      | 1. The mark “v ” means that this configuration is chosen for testing<br>2. The mark “-“ means that this bandwidth is not supported.<br>3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.<br>4. All the radiated test cases were performed with Sample 1. |                 |       |       |       |       |      |      |       |       |       |            |       |       |           |      |      |              |   |   |

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

| Item | Equipment        | Brand Name              | Model No.         | FCC ID | Data Cable | Power Cord        |
|------|------------------|-------------------------|-------------------|--------|------------|-------------------|
| 1.   | System Simulator | R&S                     | CMU 200           | N/A    | N/A        | Unshielded, 1.8 m |
| 2.   | Audio converter  | ZHAOYANG                | ZY-TA11R          | N/A    | N/A        | N/A               |
| 3.   | Earphone         | GANET GLOBAL<br>LIMILTD | HF-AC04D-03<br>HF | N/A    | N/A        | N/A               |

## 2.4 Measurement Results Explanation Example

### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

Example :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$



## 2.5 Frequency List of Low/Middle/High Channels

| LTE Band 2 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                    | Channel                | 18700  | 18900  | 19100   |
|                                       | Frequency              | 1860   | 1880   | 1900    |
| 15                                    | Channel                | 18675  | 18900  | 19125   |
|                                       | Frequency              | 1857.5 | 1880   | 1902.5  |
| 10                                    | Channel                | 18650  | 18900  | 19150   |
|                                       | Frequency              | 1855   | 1880   | 1905    |
| 5                                     | Channel                | 18625  | 18900  | 19175   |
|                                       | Frequency              | 1852.5 | 1880   | 1907.5  |
| 3                                     | Channel                | 18615  | 18900  | 19185   |
|                                       | Frequency              | 1851.5 | 1880   | 1908.5  |
| 1.4                                   | Channel                | 18607  | 18900  | 19193   |
|                                       | Frequency              | 1850.7 | 1880   | 1909.3  |

| LTE Band 4 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                    | Channel                | 20050  | 20175  | 20300   |
|                                       | Frequency              | 1720   | 1732.5 | 1745    |
| 15                                    | Channel                | 20025  | 20175  | 20325   |
|                                       | Frequency              | 1717.5 | 1732.5 | 1747.5  |
| 10                                    | Channel                | 20000  | 20175  | 20350   |
|                                       | Frequency              | 1715   | 1732.5 | 1750    |
| 5                                     | Channel                | 19975  | 20175  | 20375   |
|                                       | Frequency              | 1712.5 | 1732.5 | 1752.5  |
| 3                                     | Channel                | 19965  | 20175  | 20385   |
|                                       | Frequency              | 1711.5 | 1732.5 | 1753.5  |
| 1.4                                   | Channel                | 19957  | 20175  | 20393   |
|                                       | Frequency              | 1710.7 | 1732.5 | 1754.3  |



| LTE Band 5 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                    | Channel                | 20450  | 20525  | 20600   |
|                                       | Frequency              | 829    | 836.5  | 844     |
| 5                                     | Channel                | 20425  | 20525  | 20625   |
|                                       | Frequency              | 826.5  | 836.5  | 846.5   |
| 3                                     | Channel                | 20415  | 20525  | 20635   |
|                                       | Frequency              | 825.5  | 836.5  | 847.5   |
| 1.4                                   | Channel                | 20407  | 20525  | 20643   |
|                                       | Frequency              | 824.7  | 836.5  | 848.3   |

| LTE Band 7 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                    | Channel                | 20850  | 21100  | 21350   |
|                                       | Frequency              | 2510   | 2535   | 2560    |
| 15                                    | Channel                | 20825  | 21100  | 21375   |
|                                       | Frequency              | 2507.5 | 2535   | 2562.5  |
| 10                                    | Channel                | 20800  | 21100  | 21400   |
|                                       | Frequency              | 2505   | 2535   | 2565    |
| 5                                     | Channel                | 20775  | 21100  | 21425   |
|                                       | Frequency              | 2502.5 | 2535   | 2567.5  |

| LTE Band 12 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | 23060  | 23095  | 23130   |
|                                        | Frequency              | 704    | 707.5  | 711     |
| 5                                      | Channel                | 23035  | 23095  | 23155   |
|                                        | Frequency              | 701.5  | 707.5  | 713.5   |
| 3                                      | Channel                | 23025  | 23095  | 23165   |
|                                        | Frequency              | 700.5  | 707.5  | 714.5   |
| 1.4                                    | Channel                | 23017  | 23095  | 23173   |
|                                        | Frequency              | 699.7  | 707.5  | 715.3   |



| LTE Band 13 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | -      | 23230  | -       |
|                                        | Frequency              | -      | 782    | -       |
| 5                                      | Channel                | 23205  | 23230  | 23255   |
|                                        | Frequency              | 779.5  | 782    | 784.5   |

| LTE Band 17 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | 23780  | 23790  | 23800   |
|                                        | Frequency              | 709    | 710    | 711     |
| 5                                      | Channel                | 23755  | 23790  | 23825   |
|                                        | Frequency              | 706.5  | 710    | 713.5   |

| LTE Band 25 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 26140  | 26340  | 26590   |
|                                        | Frequency              | 1860   | 1880   | 1905    |
| 15                                     | Channel                | 26115  | 26340  | 26615   |
|                                        | Frequency              | 1857.5 | 1880   | 1907.5  |
| 10                                     | Channel                | 26090  | 26340  | 26640   |
|                                        | Frequency              | 1855   | 1880   | 1910    |
| 5                                      | Channel                | 26065  | 26340  | 26665   |
|                                        | Frequency              | 1852.5 | 1880   | 1912.5  |
| 3                                      | Channel                | 26055  | 26340  | 26675   |
|                                        | Frequency              | 1851.5 | 1880   | 1913.5  |
| 1.4                                    | Channel                | 26047  | 26340  | 26683   |
|                                        | Frequency              | 1850.7 | 1880   | 1914.3  |



| LTE Band 26 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15                                     | Channel                | 26865  | 26915  | 26965   |
|                                        | Frequency              | 831.5  | 836.5  | 841.5   |
| 10                                     | Channel                | 26840  | 26915  | 26990   |
|                                        | Frequency              | 829.0  | 836.5  | 844.0   |
| 5                                      | Channel                | 26815  | 26915  | 27015   |
|                                        | Frequency              | 826.5  | 836.5  | 846.5   |
| 3                                      | Channel                | 26805  | 26915  | 27025   |
|                                        | Frequency              | 825.5  | 836.5  | 847.5   |
| 1.4                                    | Channel                | 26797  | 26915  | 27033   |
|                                        | Frequency              | 824.7  | 836.5  | 848.3   |

| LTE Band 41 2555MHz ~ 2655MHz Channel and Frequency List |                        |        |        |         |
|----------------------------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                                                 | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                                       | Channel                | 40340  | 40740  | 41140   |
|                                                          | Frequency              | 2565.0 | 2605.0 | 2645.0  |
| 15                                                       | Channel                | 40315  | 40740  | 41165   |
|                                                          | Frequency              | 2562.5 | 2605.0 | 2647.5  |
| 10                                                       | Channel                | 40290  | 40740  | 41190   |
|                                                          | Frequency              | 2560.0 | 2605.0 | 2650.0  |
| 5                                                        | Channel                | 40265  | 40740  | 41215   |
|                                                          | Frequency              | 2557.5 | 2605.0 | 2652.5  |



| LTE Band 66 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 132072 | 132322 | 132572  |
|                                        | Frequency              | 1720   | 1745   | 1770    |
| 15                                     | Channel                | 132047 | 132322 | 132597  |
|                                        | Frequency              | 1717.5 | 1745   | 1772.5  |
| 10                                     | Channel                | 132022 | 132322 | 132622  |
|                                        | Frequency              | 1715   | 1745   | 1775    |
| 5                                      | Channel                | 131997 | 132322 | 132647  |
|                                        | Frequency              | 1712.5 | 1745   | 1777.5  |
| 3                                      | Channel                | 131987 | 132322 | 132657  |
|                                        | Frequency              | 1711.5 | 1745   | 1778.5  |
| 1.4                                    | Channel                | 131979 | 132322 | 132665  |
|                                        | Frequency              | 1710.7 | 1745   | 1779.3  |

| LTE Band 71 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 133222 | 133297 | 133372  |
|                                        | Frequency              | 673.0  | 680.5  | 688.0   |
| 15                                     | Channel                | 133197 | 133297 | 133397  |
|                                        | Frequency              | 670.5  | 680.5  | 690.5   |
| 10                                     | Channel                | 133172 | 133297 | 133422  |
|                                        | Frequency              | 668.0  | 680.5  | 693.0   |
| 5                                      | Channel                | 133147 | 133297 | 133447  |
|                                        | Frequency              | 665.5  | 680.5  | 695.5   |



| LTE Band 5 Channel and Frequency List_CA |                        |           |        |        |         |
|------------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                                 | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 5 + 10                                   | PCC                    | Channel   | 20428  | 20478  | 20528   |
|                                          |                        | Frequency | 826.8  | 831.8  | 836.8   |
|                                          | SCC                    | Channel   | 20500  | 20550  | 20600   |
|                                          |                        | Frequency | 834.0  | 839.0  | 844.0   |
| 10 + 5                                   | PCC                    | Channel   | 20450  | 20500  | 20550   |
|                                          |                        | Frequency | 829.0  | 834.0  | 839.0   |
|                                          | SCC                    | Channel   | 20522  | 20572  | 20622   |
|                                          |                        | Frequency | 836.2  | 841.2  | 846.2   |
| 10 + 10                                  | PCC                    | Channel   | 20450  | 20476  | 20501   |
|                                          |                        | Frequency | 829.0  | 831.6  | 834.1   |
|                                          | SCC                    | Channel   | 20549  | 20575  | 20600   |
|                                          |                        | Frequency | 838.9  | 841.5  | 844.0   |



| LTE Band 41 Channel and Frequency List |                        |           |        |        |         |
|----------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 20 + 20                                | PCC                    | Channel   | 40340  | 40641  | 40942   |
|                                        |                        | Frequency | 2565.0 | 2595.1 | 2625.2  |
|                                        | SCC                    | Channel   | 40538  | 40839  | 41140   |
|                                        |                        | Frequency | 2584.8 | 2614.9 | 2645.0  |
| 20 + 15                                | PCC                    | Channel   | 40340  | 40667  | 40994   |
|                                        |                        | Frequency | 2565.0 | 2597.7 | 2630.4  |
|                                        | SCC                    | Channel   | 40511  | 40838  | 41165   |
|                                        |                        | Frequency | 2582.1 | 2614.8 | 2647.5  |
| 15 + 20                                | PCC                    | Channel   | 40315  | 40642  | 40969   |
|                                        |                        | Frequency | 2562.5 | 2595.2 | 2627.9  |
|                                        | SCC                    | Channel   | 40486  | 40813  | 41140   |
|                                        |                        | Frequency | 2579.6 | 2612.3 | 2645.0  |
| 20 + 10                                | PCC                    | Channel   | 40340  | 40693  | 41046   |
|                                        |                        | Frequency | 2565.0 | 2600.3 | 2635.6  |
|                                        | SCC                    | Channel   | 40484  | 40837  | 41190   |
|                                        |                        | Frequency | 2579.4 | 2614.7 | 2650.0  |
| 10 + 20                                | PCC                    | Channel   | 40290  | 40643  | 40996   |
|                                        |                        | Frequency | 2560.0 | 2595.3 | 2630.6  |
|                                        | SCC                    | Channel   | 40434  | 40787  | 41140   |
|                                        |                        | Frequency | 2574.4 | 2609.7 | 2645.0  |



| LTE Band 41 Channel and Frequency List |     |           |        |        |        |
|----------------------------------------|-----|-----------|--------|--------|--------|
| 20 + 5                                 | PCC | Channel   | 40340  | 40719  | 41098  |
|                                        |     | Frequency | 2565.0 | 2602.9 | 2640.8 |
|                                        | SCC | Channel   | 40457  | 40836  | 41215  |
|                                        |     | Frequency | 2576.7 | 2614.6 | 2652.5 |
| 5 + 20                                 | PCC | Channel   | 40265  | 40644  | 41023  |
|                                        |     | Frequency | 2557.5 | 2595.4 | 2633.3 |
|                                        | SCC | Channel   | 40382  | 40761  | 41140  |
|                                        |     | Frequency | 2569.2 | 2607.1 | 2645.0 |
| 15 + 15                                | PCC | Channel   | 40315  | 40665  | 41015  |
|                                        |     | Frequency | 2562.5 | 2597.5 | 2632.5 |
|                                        | SCC | Channel   | 40465  | 40815  | 41165  |
|                                        |     | Frequency | 2577.5 | 2612.5 | 2647.5 |
| 10 + 15                                | PCC | Channel   | 40290  | 40667  | 41045  |
|                                        |     | Frequency | 2560.0 | 2597.7 | 2635.5 |
|                                        | SCC | Channel   | 40410  | 40787  | 41165  |
|                                        |     | Frequency | 2572.0 | 2609.7 | 2647.5 |
| 15 + 10                                | PCC | Channel   | 40315  | 40692  | 41070  |
|                                        |     | Frequency | 2562.5 | 2600.2 | 2638.0 |
|                                        | SCC | Channel   | 40435  | 40812  | 41190  |
|                                        |     | Frequency | 2574.5 | 2612.2 | 2650.0 |

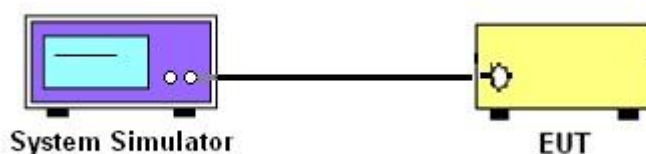
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

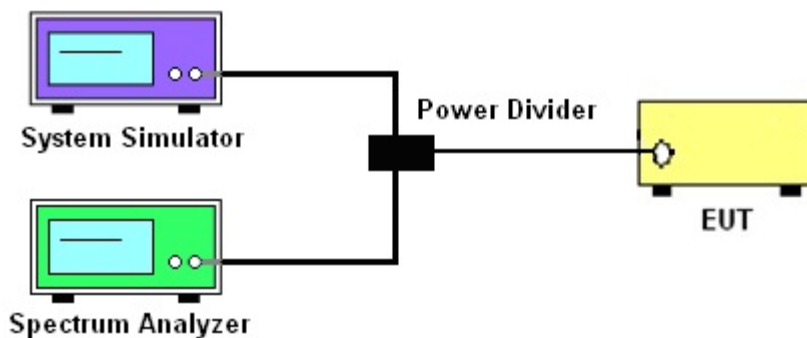
See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

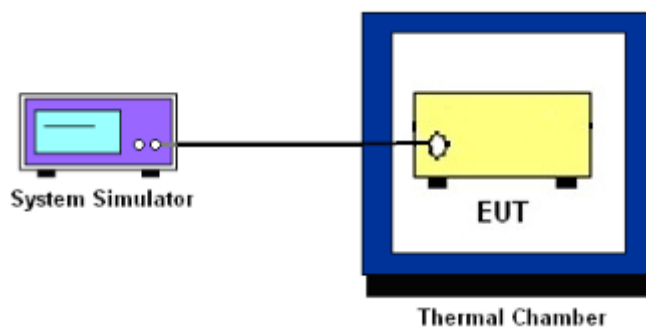
##### 3.1.2 Conducted Output Power



##### 3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



##### 3.1.4 Frequency Stability



##### 3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

## 3.2 Conducted Output Power and ERP/EIRP

### 3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17 and Band 71

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 41

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

### 3.2.2 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.



### **3.3 Peak-to-Average Ratio**

#### **3.3.1 Description of the PAR Measurement**

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. 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.

#### **3.3.2 Test Procedures**

The testing follows ANSI C63.26-2015 Section 5.2.6

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

## 3.4 Occupied Bandwidth

### 3.4.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

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.

### 3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.  
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



## **3.5 Conducted Band Edge**

### **3.5.1 Description of Conducted Band Edge Measurement**

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.

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.

27.53 (c)

For operations in the 776-788 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 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power,  $P$  (dBW), by at least  $65 + 10 \log_{10} p(\text{watts})$ , dB, for mobile and portable equipment.

27.53 (g)

For operations in the 600MHz band and 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.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, 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.

27.53(m)(4)

For mobile digital stations, 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 than  $43 + 10 \log (P)$  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.

### 3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW  $\geq 1\%$  EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

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

For LTE Band 7, 41

The other 40 dB, and 55 dB have additionally applied same calculation above.

## 3.6 Conducted Spurious Emission

### 3.6.1 Description of Conducted Spurious Emission Measurement

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 LTE Band 7, 41

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 10<sup>th</sup> harmonic.

### 3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 41

The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)



### **3.7 Frequency Stability**

#### **3.7.1 Description of Frequency Stability Measurement**

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### **3.7.2 Test Procedures for Temperature Variation**

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . 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.

#### **3.7.3 Test Procedures for Voltage Variation**

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

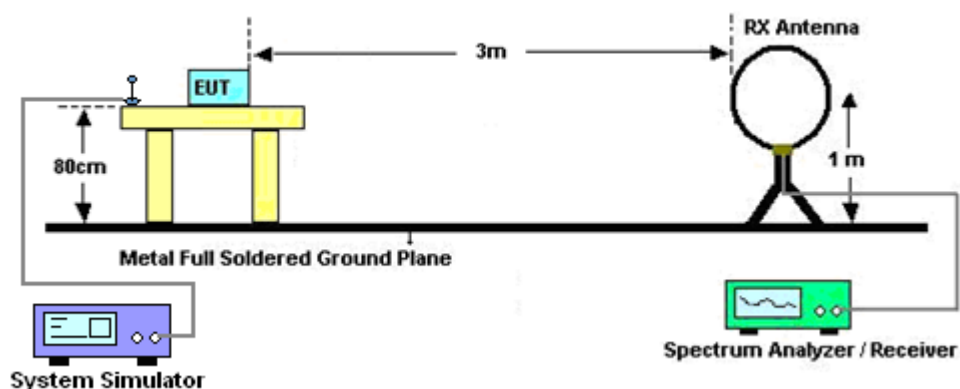
## 4 Radiated Test Items

### 4.1 Measuring Instruments

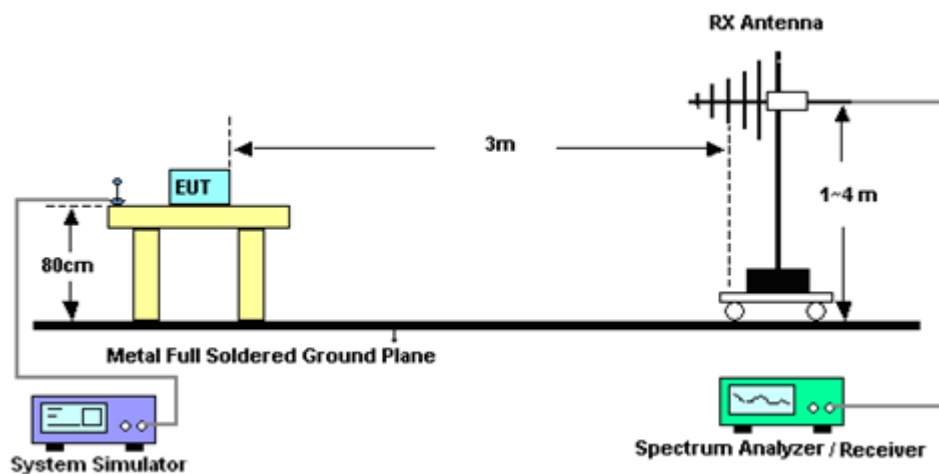
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

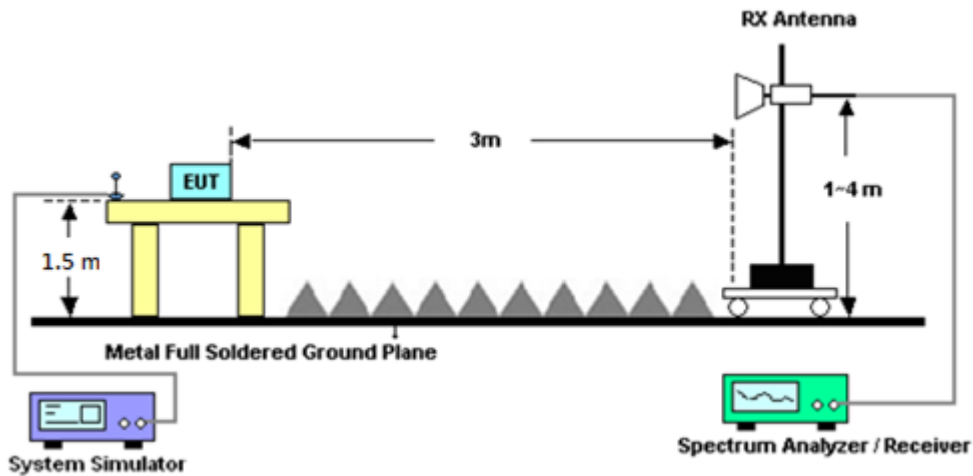
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



#### 4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

**Note:**

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



## **4.2 Radiated Spurious Emission Measurement**

### **4.2.1 Description of Radiated Spurious Emission Measurement**

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For LTE Band 7, 41

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

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### **4.2.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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

For LTE Band 7, 41

The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$

$ERP \text{ (dBm)} = EIRP - 2.15$



## 5 List of Measuring Equipment

| Instrument                   | Brand Name         | Model No.                                 | Serial No.           | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|------------------------------|--------------------|-------------------------------------------|----------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna                 | Rohde & Schwarz    | HFH2-Z2                                   | 100315               | 9 kHz~30 MHz                     | Dec. 26, 2019    | Dec. 15, 2020~<br>Dec. 24, 2020 | Dec. 25, 2020 | Radiation<br>(03CH12-HY) |
| Bilog Antenna                | TESEQ              | CBL 6111D &<br>00800N1D01N<br>-06         | 40103 & 07           | 30MHz~1GHz                       | Apr. 29, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Apr. 28, 2021 | Radiation<br>(03CH12-HY) |
| Horn Antenna                 | SCHWARZBE<br>CK    | BBHA 9120 D                               | 9120D-1212           | 1GHz~18GHz                       | May 20, 2020     | Dec. 15, 2020~<br>Dec. 24, 2020 | May 19, 2021  | Radiation<br>(03CH12-HY) |
| Horn Antenna                 | SCHWARZBE<br>CK    | BBHA 9120D                                | 9120D-1241           | 1GHz ~ 18GHz                     | Jul. 15, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Jul. 14, 2021 | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna      | SCHWARZBE<br>CK    | BBHA 9170                                 | BBHA917025<br>1      | 18GHz~40GHz                      | Dec. 02, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Dec. 01, 2021 | Radiation<br>(03CH12-HY) |
| SHF-EHF Horn<br>Antenna      | SCHWARZBE<br>CK    | BBHA 9170                                 | BBHA917098<br>0      | 18GHz ~ 40GHz                    | Jan. 10, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Jan. 09, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier                 | COM-POWER          | PA-103                                    | 161075               | 10MHz~1GHz                       | Mar. 25, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Mar. 24, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier                 | Keysight           | 83017A                                    | MY57280120           | 1GHz~26.5GHz                     | Jul. 20, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Jul. 19, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier                 | Jet-Power          | JPA0118-55-3<br>03K                       | 1710001800<br>054002 | 1GHz~18GHz                       | Feb. 07, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Feb. 06, 2021 | Radiation<br>(03CH12-HY) |
| Preamplifier                 | EMEC               | EM18G40G                                  | 060801               | 18GHz~40GHz                      | Jun. 15, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Jun. 14, 2021 | Radiation<br>(03CH12-HY) |
| Spectrum<br>Analyzer         | Agilent            | N9010A                                    | MY54200485           | 10Hz~44GHz                       | Feb. 10, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Feb. 09, 2021 | Radiation<br>(03CH12-HY) |
| Signal<br>Generator          | Anritsu            | MG3694C                                   | 163401               | 0.1Hz~40GHz                      | Feb. 15, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Feb. 14, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                     | HUBER +<br>SUHNER  | SUCOFLEX<br>104                           | MY9837/4PE           | 9kHz~30MHz                       | Mar. 12, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Mar. 11, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                     | HUBER +<br>SUHNER  | SUCOFLEX<br>126E                          | 0058/126E            | 30MHz~18GHz                      | Dec. 11, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Dec. 10, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                     | HUBER +<br>SUHNER  | SUCOFLEX<br>102                           | 505134/2             | 30MHz~40GHz                      | Feb. 25, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Feb. 24, 2021 | Radiation<br>(03CH12-HY) |
| RF Cable                     | HUBER +<br>SUHNER  | SUCOFLEX<br>102                           | 800740/2             | 30MHz~40GHz                      | Feb. 25, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Feb. 24, 2021 | Radiation<br>(03CH12-HY) |
| Hygrometer                   | TECPEL             | DTM-303B                                  | TP140349             | N/A                              | Oct. 02, 2020    | Dec. 15, 2020~<br>Dec. 24, 2020 | Oct. 01, 2021 | Radiation<br>(03CH12-HY) |
| Controller                   | EMEC               | EM1000                                    | N/A                  | Control Turn<br>table & Ant Mast | N/A              | Dec. 15, 2020~<br>Dec. 24, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Antenna Mast                 | EMEC               | AM-BS-4500-B                              | N/A                  | 1m~4m                            | N/A              | Dec. 15, 2020~<br>Dec. 24, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Turn Table                   | EMEC               | TT2000                                    | N/A                  | 0~360 Degree                     | N/A              | Dec. 15, 2020~<br>Dec. 24, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Software                     | Audix              | E3<br>6.2009-8-24                         | RK-000989            | N/A                              | N/A              | Dec. 15, 2020~<br>Dec. 24, 2020 | N/A           | Radiation<br>(03CH12-HY) |
| Base Station<br>(Measure)    | Anritsu            | MT8821C                                   | 6201664755           | N/A                              | Jul. 12, 2020    | Dec. 13, 2020~<br>Dec. 24, 2020 | Jul. 11, 2021 | Conducted<br>(TH05-HY)   |
| Spectrum<br>Analyzer         | Rohde &<br>Schwarz | FSV40                                     | 101397               | 10Hz~40GHz                       | Nov. 27, 2020    | Dec. 13, 2020~<br>Dec. 24, 2020 | Nov. 26, 2021 | Conducted<br>(TH05-HY)   |
| Temperature<br>Chamber       | ESPEC              | SU-241                                    | 92003713             | -30℃~95℃                         | May 15, 2020     | Dec. 13, 2020~<br>Dec. 24, 2020 | May 14, 2021  | Conducted<br>(TH05-HY)   |
| Programmable<br>Power Supply | GW Instek          | PSS-2005                                  | EL890089             | 1V~20V<br>0.5A~5A                | Feb. 21, 2020    | Dec. 13, 2020~<br>Dec. 24, 2020 | Feb. 20, 2021 | Conducted<br>(TH05-HY)   |
| Coupler                      | Warison            | 20dB 25W<br>SMA<br>Directional<br>Coupler | #A                   | 1-18GHz                          | Jan. 13, 2020    | Dec. 13, 2020~<br>Dec. 24, 2020 | Jan. 12, 2021 | Conducted<br>(TH05-HY)   |



## 6 Uncertainty of Evaluation

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.07 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.21 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.80 |
|-------------------------------------------------------------------------|------|



## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power & ERP/EIRP)

#### <Main Antenna>

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                        | 1         | 0         | QPSK   | 22.83  | 22.91  | 22.22   | 25.81      | 0.3811   |
| 20                                                        | 1         | 49        |        | 22.81  | 22.88  | 22.79   |            |          |
| 20                                                        | 1         | 99        |        | 22.81  | 22.22  | 22.00   |            |          |
| 20                                                        | 50        | 0         |        | 21.89  | 21.90  | 21.76   |            |          |
| 20                                                        | 50        | 24        |        | 21.89  | 21.97  | 21.86   |            |          |
| 20                                                        | 50        | 50        |        | 21.90  | 21.89  | 21.83   |            |          |
| 20                                                        | 100       | 0         |        | 21.96  | 21.93  | 21.75   |            |          |
| 20                                                        | 1         | 0         | 16-QAM | 22.03  | 22.23  | 21.50   | 25.13      | 0.3258   |
| 20                                                        | 1         | 49        |        | 22.14  | 22.21  | 22.13   |            |          |
| 20                                                        | 1         | 99        |        | 22.15  | 21.56  | 21.01   |            |          |
| 20                                                        | 50        | 0         |        | 20.99  | 21.07  | 20.88   |            |          |
| 20                                                        | 50        | 24        |        | 21.01  | 21.10  | 20.99   |            |          |
| 20                                                        | 50        | 50        |        | 21.06  | 21.02  | 20.92   |            |          |
| 20                                                        | 100       | 0         |        | 21.06  | 21.04  | 20.84   |            |          |
| 20                                                        | 1         | 0         | 64-QAM | 21.04  | 21.22  | 20.46   | 24.12      | 0.2582   |
| 20                                                        | 1         | 49        |        | 21.14  | 21.18  | 21.11   |            |          |
| 20                                                        | 1         | 99        |        | 21.11  | 20.54  | 20.01   |            |          |
| 20                                                        | 50        | 0         |        | 20.03  | 20.09  | 19.93   |            |          |
| 20                                                        | 50        | 24        |        | 20.03  | 20.10  | 20.03   |            |          |
| 20                                                        | 50        | 50        |        | 20.08  | 20.05  | 19.96   |            |          |
| 20                                                        | 100       | 0         |        | 20.07  | 20.07  | 19.86   |            |          |
| Limit                                                     | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                        | 1         | 0         | QPSK   | 22.63  | 22.77  | 22.41   | 25.67      | 0.3690   |
| 15                                                        | 1         | 37        |        | 22.59  | 22.77  | 22.69   |            |          |
| 15                                                        | 1         | 74        |        | 22.56  | 22.41  | 22.02   |            |          |
| 15                                                        | 36        | 0         |        | 21.70  | 21.84  | 21.84   |            |          |
| 15                                                        | 36        | 20        |        | 21.71  | 21.84  | 21.84   |            |          |
| 15                                                        | 36        | 39        |        | 21.64  | 21.83  | 21.79   |            |          |
| 15                                                        | 75        | 0         |        | 21.67  | 21.82  | 21.81   |            |          |
| 15                                                        | 1         | 0         | 16-QAM | 21.91  | 22.10  | 21.71   | 25         | 0.3162   |
| 15                                                        | 1         | 37        |        | 21.93  | 22.09  | 21.99   |            |          |
| 15                                                        | 1         | 74        |        | 21.89  | 21.77  | 21.01   |            |          |
| 15                                                        | 36        | 0         |        | 20.82  | 20.98  | 20.96   |            |          |
| 15                                                        | 36        | 20        |        | 20.86  | 21.02  | 20.94   |            |          |
| 15                                                        | 36        | 39        |        | 20.80  | 20.96  | 20.88   |            |          |
| 15                                                        | 75        | 0         |        | 20.80  | 20.99  | 20.92   |            |          |
| 15                                                        | 1         | 0         | 64-QAM | 20.89  | 21.11  | 20.65   | 24.01      | 0.2518   |
| 15                                                        | 1         | 37        |        | 20.91  | 21.07  | 21.01   |            |          |
| 15                                                        | 1         | 74        |        | 20.84  | 20.75  | 20.02   |            |          |
| 15                                                        | 36        | 0         |        | 19.87  | 20.03  | 20.07   |            |          |
| 15                                                        | 36        | 20        |        | 19.90  | 20.10  | 20.05   |            |          |
| 15                                                        | 36        | 39        |        | 19.86  | 20.02  | 19.95   |            |          |
| 15                                                        | 75        | 0         |        | 19.82  | 20.04  | 19.98   |            |          |
| Limit                                                     | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                        | 1         | 0         | QPSK   | 22.75  | 22.88  | 22.76   | 25.78      | 0.3784   |
| 10                                                        | 1         | 25        |        | 22.62  | 22.79  | 22.50   |            |          |
| 10                                                        | 1         | 49        |        | 22.63  | 22.76  | 22.01   |            |          |
| 10                                                        | 25        | 0         |        | 21.71  | 21.84  | 21.84   |            |          |
| 10                                                        | 25        | 12        |        | 21.72  | 21.84  | 21.84   |            |          |
| 10                                                        | 25        | 25        |        | 21.67  | 21.81  | 21.81   |            |          |
| 10                                                        | 50        | 0         |        | 21.69  | 21.86  | 21.83   |            |          |
| 10                                                        | 1         | 0         | 16-QAM | 21.96  | 22.17  | 22.02   | 25.07      | 0.3214   |
| 10                                                        | 1         | 25        |        | 21.90  | 22.10  | 21.81   |            |          |
| 10                                                        | 1         | 49        |        | 21.93  | 22.09  | 21.21   |            |          |
| 10                                                        | 25        | 0         |        | 20.81  | 20.98  | 20.93   |            |          |
| 10                                                        | 25        | 12        |        | 20.83  | 20.98  | 20.91   |            |          |
| 10                                                        | 25        | 25        |        | 20.79  | 20.93  | 20.88   |            |          |
| 10                                                        | 50        | 0         |        | 20.81  | 20.98  | 20.90   |            |          |
| 10                                                        | 1         | 0         | 64-QAM | 20.95  | 21.18  | 21.05   | 24.08      | 0.2559   |
| 10                                                        | 1         | 25        |        | 20.89  | 21.10  | 20.89   |            |          |
| 10                                                        | 1         | 49        |        | 20.91  | 21.11  | 20.26   |            |          |
| 10                                                        | 25        | 0         |        | 19.84  | 19.99  | 19.96   |            |          |
| 10                                                        | 25        | 12        |        | 19.85  | 20.05  | 19.96   |            |          |
| 10                                                        | 25        | 25        |        | 19.79  | 20.03  | 19.90   |            |          |
| 10                                                        | 50        | 0         |        | 19.84  | 20.01  | 19.94   |            |          |
| Limit                                                     | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                         | 1         | 0         | QPSK   | 22.76  | 22.77  | 22.74   | 25.7       | 0.3715   |
| 5                                                         | 1         | 12        |        | 22.65  | 22.80  | 22.32   |            |          |
| 5                                                         | 1         | 24        |        | 22.61  | 22.77  | 22.24   |            |          |
| 5                                                         | 12        | 0         |        | 21.72  | 21.84  | 21.81   |            |          |
| 5                                                         | 12        | 7         |        | 21.73  | 21.89  | 21.84   |            |          |
| 5                                                         | 12        | 13        |        | 21.69  | 21.84  | 21.78   |            |          |
| 5                                                         | 25        | 0         |        | 21.70  | 21.83  | 21.82   |            |          |
| 5                                                         | 1         | 0         | 16-QAM | 21.89  | 22.08  | 21.92   | 24.99      | 0.3155   |
| 5                                                         | 1         | 12        |        | 21.90  | 22.09  | 21.63   |            |          |
| 5                                                         | 1         | 24        |        | 21.86  | 22.04  | 21.56   |            |          |
| 5                                                         | 12        | 0         |        | 20.83  | 21.00  | 20.87   |            |          |
| 5                                                         | 12        | 7         |        | 20.84  | 21.01  | 20.92   |            |          |
| 5                                                         | 12        | 13        |        | 20.82  | 20.99  | 20.83   |            |          |
| 5                                                         | 25        | 0         |        | 20.81  | 20.93  | 20.86   |            |          |
| 5                                                         | 1         | 0         | 64-QAM | 20.87  | 21.09  | 20.96   | 24         | 0.2512   |
| 5                                                         | 1         | 12        |        | 20.90  | 21.10  | 20.69   |            |          |
| 5                                                         | 1         | 24        |        | 20.86  | 21.04  | 20.65   |            |          |
| 5                                                         | 12        | 0         |        | 19.91  | 20.10  | 19.97   |            |          |
| 5                                                         | 12        | 7         |        | 19.94  | 20.08  | 20.01   |            |          |
| 5                                                         | 12        | 13        |        | 19.90  | 20.13  | 19.96   |            |          |
| 5                                                         | 25        | 0         |        | 19.83  | 19.98  | 19.91   |            |          |
| Limit                                                     | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3                                                         | 1         | 0         | QPSK   | 22.64  | 22.78  | 22.49   | 25.70      | 0.3715   |
| 3                                                         | 1         | 8         |        | 22.67  | 22.80  | 22.16   |            |          |
| 3                                                         | 1         | 14        |        | 22.62  | 22.78  | 22.10   |            |          |
| 3                                                         | 8         | 0         |        | 21.71  | 21.84  | 21.81   |            |          |
| 3                                                         | 8         | 4         |        | 21.74  | 21.87  | 21.83   |            |          |
| 3                                                         | 8         | 7         |        | 21.71  | 21.83  | 21.80   |            |          |
| 3                                                         | 15        | 0         |        | 21.72  | 21.86  | 21.84   |            |          |
| 3                                                         | 1         | 0         | 16-QAM | 21.87  | 22.07  | 21.76   | 25.01      | 0.3170   |
| 3                                                         | 1         | 8         |        | 21.93  | 22.11  | 21.48   |            |          |
| 3                                                         | 1         | 14        |        | 21.87  | 22.07  | 21.39   |            |          |
| 3                                                         | 8         | 0         |        | 20.84  | 21.00  | 20.87   |            |          |
| 3                                                         | 8         | 4         |        | 20.88  | 21.06  | 20.88   |            |          |
| 3                                                         | 8         | 7         |        | 20.85  | 21.02  | 20.88   |            |          |
| 3                                                         | 15        | 0         |        | 20.84  | 20.97  | 20.93   |            |          |
| 3                                                         | 1         | 0         | 64-QAM | 20.87  | 21.07  | 20.82   | 24.03      | 0.2529   |
| 3                                                         | 1         | 8         |        | 20.92  | 21.09  | 20.53   |            |          |
| 3                                                         | 1         | 14        |        | 20.89  | 21.13  | 20.49   |            |          |
| 3                                                         | 8         | 0         |        | 19.87  | 20.08  | 19.94   |            |          |
| 3                                                         | 8         | 4         |        | 19.93  | 20.20  | 19.97   |            |          |
| 3                                                         | 8         | 7         |        | 19.90  | 20.10  | 19.94   |            |          |
| 3                                                         | 15        | 0         |        | 19.82  | 20.08  | 19.95   |            |          |
| Limit                                                     | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4                                                       | 1         | 0         | QPSK   | 22.72  | 22.77  | 22.11   | 25.76      | 0.3767   |
| 1.4                                                       | 1         | 3         |        | 22.79  | 22.86  | 22.08   |            |          |
| 1.4                                                       | 1         | 5         |        | 22.70  | 22.77  | 22.02   |            |          |
| 1.4                                                       | 3         | 0         |        | 22.76  | 22.81  | 22.05   |            |          |
| 1.4                                                       | 3         | 1         |        | 22.85  | 22.85  | 22.07   |            |          |
| 1.4                                                       | 3         | 3         |        | 22.78  | 22.80  | 22.01   |            |          |
| 1.4                                                       | 6         | 0         |        | 21.79  | 21.83  | 21.81   |            |          |
| 1.4                                                       | 1         | 0         | 16-QAM | 21.94  | 22.07  | 21.37   | 25.05      | 0.3199   |
| 1.4                                                       | 1         | 3         |        | 22.05  | 22.15  | 21.38   |            |          |
| 1.4                                                       | 1         | 5         |        | 21.93  | 22.05  | 21.29   |            |          |
| 1.4                                                       | 3         | 0         |        | 21.77  | 21.89  | 21.19   |            |          |
| 1.4                                                       | 3         | 1         |        | 21.86  | 21.94  | 21.21   |            |          |
| 1.4                                                       | 3         | 3         |        | 21.76  | 21.87  | 21.13   |            |          |
| 1.4                                                       | 6         | 0         |        | 20.95  | 21.02  | 20.91   |            |          |
| 1.4                                                       | 1         | 0         | 64-QAM | 20.95  | 21.05  | 20.45   | 24.03      | 0.2529   |
| 1.4                                                       | 1         | 3         |        | 21.02  | 21.13  | 20.43   |            |          |
| 1.4                                                       | 1         | 5         |        | 20.97  | 21.03  | 20.36   |            |          |
| 1.4                                                       | 3         | 0         |        | 20.96  | 21.06  | 20.44   |            |          |
| 1.4                                                       | 3         | 1         |        | 21.04  | 21.11  | 20.45   |            |          |
| 1.4                                                       | 3         | 3         |        | 20.96  | 21.07  | 20.38   |            |          |
| 1.4                                                       | 6         | 0         |        | 19.90  | 19.99  | 19.88   |            |          |
| Limit                                                     | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                         | 1         | 0         | QPSK   | 22.86  | 22.89  | 22.76   | 25.82      | 0.3819   |
| 20                                                         | 1         | 49        |        | 22.84  | 22.88  | 22.74   |            |          |
| 20                                                         | 1         | 99        |        | 22.83  | 22.92  | 22.75   |            |          |
| 20                                                         | 50        | 0         |        | 21.84  | 21.88  | 21.79   |            |          |
| 20                                                         | 50        | 24        |        | 21.96  | 21.94  | 21.82   |            |          |
| 20                                                         | 50        | 50        |        | 21.89  | 21.87  | 21.75   |            |          |
| 20                                                         | 100       | 0         |        | 21.93  | 21.89  | 21.78   |            |          |
| 20                                                         | 1         | 0         | 16-QAM | 22.20  | 22.28  | 22.15   | 25.21      | 0.3319   |
| 20                                                         | 1         | 49        |        | 22.19  | 22.25  | 22.08   |            |          |
| 20                                                         | 1         | 99        |        | 22.23  | 22.31  | 21.87   |            |          |
| 20                                                         | 50        | 0         |        | 20.98  | 21.05  | 20.93   |            |          |
| 20                                                         | 50        | 24        |        | 21.09  | 21.07  | 20.93   |            |          |
| 20                                                         | 50        | 50        |        | 21.03  | 21.02  | 20.88   |            |          |
| 20                                                         | 100       | 0         |        | 21.07  | 21.02  | 20.91   |            |          |
| 20                                                         | 1         | 0         | 64-QAM | 21.20  | 21.26  | 21.11   | 24.17      | 0.2612   |
| 20                                                         | 1         | 49        |        | 21.17  | 21.23  | 21.03   |            |          |
| 20                                                         | 1         | 99        |        | 21.17  | 21.27  | 20.91   |            |          |
| 20                                                         | 50        | 0         |        | 20.01  | 20.06  | 19.99   |            |          |
| 20                                                         | 50        | 24        |        | 20.16  | 20.08  | 19.94   |            |          |
| 20                                                         | 50        | 50        |        | 20.06  | 20.05  | 19.89   |            |          |
| 20                                                         | 100       | 0         |        | 20.08  | 20.11  | 19.93   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                         | 1         | 0         | QPSK   | 22.82  | 22.76  | 22.76   | 25.72      | 0.3733   |
| 15                                                         | 1         | 37        |        | 22.73  | 22.76  | 22.76   |            |          |
| 15                                                         | 1         | 74        |        | 22.74  | 22.82  | 22.68   |            |          |
| 15                                                         | 36        | 0         |        | 21.84  | 21.82  | 21.68   |            |          |
| 15                                                         | 36        | 20        |        | 21.88  | 21.84  | 21.72   |            |          |
| 15                                                         | 36        | 39        |        | 21.87  | 21.79  | 21.80   |            |          |
| 15                                                         | 75        | 0         |        | 21.86  | 21.81  | 21.77   |            |          |
| 15                                                         | 1         | 0         | 16-QAM | 22.05  | 22.17  | 22.06   | 25.10      | 0.3236   |
| 15                                                         | 1         | 37        |        | 22.09  | 22.17  | 22.05   |            |          |
| 15                                                         | 1         | 74        |        | 22.14  | 22.20  | 21.77   |            |          |
| 15                                                         | 36        | 0         |        | 20.92  | 21.00  | 20.93   |            |          |
| 15                                                         | 36        | 20        |        | 21.05  | 21.02  | 20.87   |            |          |
| 15                                                         | 36        | 39        |        | 21.08  | 20.97  | 20.97   |            |          |
| 15                                                         | 75        | 0         |        | 21.11  | 21.01  | 20.89   |            |          |
| 15                                                         | 1         | 0         | 64-QAM | 21.05  | 21.16  | 21.11   | 24.14      | 0.2594   |
| 15                                                         | 1         | 37        |        | 21.15  | 21.22  | 21.10   |            |          |
| 15                                                         | 1         | 74        |        | 21.11  | 21.24  | 20.89   |            |          |
| 15                                                         | 36        | 0         |        | 19.96  | 20.01  | 19.99   |            |          |
| 15                                                         | 36        | 20        |        | 19.99  | 20.16  | 20.00   |            |          |
| 15                                                         | 36        | 39        |        | 20.11  | 20.12  | 20.03   |            |          |
| 15                                                         | 75        | 0         |        | 20.10  | 20.09  | 19.94   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                         | 1         | 0         | QPSK   | 22.81  | 22.85  | 22.85   | 25.79      | 0.3793   |
| 10                                                         | 1         | 25        |        | 22.75  | 22.77  | 22.83   |            |          |
| 10                                                         | 1         | 49        |        | 22.75  | 22.89  | 22.83   |            |          |
| 10                                                         | 25        | 0         |        | 21.78  | 21.77  | 21.89   |            |          |
| 10                                                         | 25        | 12        |        | 21.80  | 21.80  | 21.89   |            |          |
| 10                                                         | 25        | 25        |        | 21.72  | 21.76  | 21.82   |            |          |
| 10                                                         | 50        | 0         |        | 21.77  | 21.77  | 21.87   |            |          |
| 10                                                         | 1         | 0         | 16-QAM | 22.14  | 22.22  | 22.12   | 25.16      | 0.3281   |
| 10                                                         | 1         | 25        |        | 22.07  | 22.15  | 22.07   |            |          |
| 10                                                         | 1         | 49        |        | 22.11  | 22.26  | 21.86   |            |          |
| 10                                                         | 25        | 0         |        | 20.93  | 20.97  | 20.97   |            |          |
| 10                                                         | 25        | 12        |        | 20.93  | 21.05  | 20.96   |            |          |
| 10                                                         | 25        | 25        |        | 20.87  | 20.93  | 20.87   |            |          |
| 10                                                         | 50        | 0         |        | 20.90  | 20.94  | 20.98   |            |          |
| 10                                                         | 1         | 0         | 64-QAM | 21.09  | 21.28  | 21.11   | 24.25      | 0.2661   |
| 10                                                         | 1         | 25        |        | 21.05  | 21.21  | 21.07   |            |          |
| 10                                                         | 1         | 49        |        | 21.06  | 21.35  | 20.93   |            |          |
| 10                                                         | 25        | 0         |        | 19.95  | 20.10  | 20.01   |            |          |
| 10                                                         | 25        | 12        |        | 19.97  | 20.09  | 20.01   |            |          |
| 10                                                         | 25        | 25        |        | 19.93  | 20.06  | 19.97   |            |          |
| 10                                                         | 50        | 0         |        | 19.92  | 20.06  | 20.03   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                          | 1         | 0         | QPSK   | 22.74  | 22.86  | 22.84   | 25.76      | 0.3767   |
| 5                                                          | 1         | 12        |        | 22.75  | 22.81  | 22.85   |            |          |
| 5                                                          | 1         | 24        |        | 22.69  | 22.77  | 22.82   |            |          |
| 5                                                          | 12        | 0         |        | 21.79  | 21.80  | 21.87   |            |          |
| 5                                                          | 12        | 7         |        | 21.78  | 21.85  | 21.87   |            |          |
| 5                                                          | 12        | 13        |        | 21.76  | 21.80  | 21.84   |            |          |
| 5                                                          | 25        | 0         |        | 21.76  | 21.78  | 21.83   |            |          |
| 5                                                          | 1         | 0         | 16-QAM | 22.05  | 22.23  | 22.00   | 25.13      | 0.3258   |
| 5                                                          | 1         | 12        |        | 22.08  | 22.19  | 22.01   |            |          |
| 5                                                          | 1         | 24        |        | 22.03  | 22.21  | 21.86   |            |          |
| 5                                                          | 12        | 0         |        | 20.93  | 21.12  | 20.95   |            |          |
| 5                                                          | 12        | 7         |        | 20.96  | 21.12  | 20.97   |            |          |
| 5                                                          | 12        | 13        |        | 20.94  | 20.98  | 20.89   |            |          |
| 5                                                          | 25        | 0         |        | 20.90  | 21.04  | 20.91   |            |          |
| 5                                                          | 1         | 0         | 64-QAM | 21.05  | 21.20  | 21.05   | 24.13      | 0.2588   |
| 5                                                          | 1         | 12        |        | 21.06  | 21.23  | 21.01   |            |          |
| 5                                                          | 1         | 24        |        | 21.00  | 21.19  | 20.88   |            |          |
| 5                                                          | 12        | 0         |        | 20.01  | 20.17  | 20.05   |            |          |
| 5                                                          | 12        | 7         |        | 20.03  | 20.19  | 20.07   |            |          |
| 5                                                          | 12        | 13        |        | 20.00  | 20.15  | 19.97   |            |          |
| 5                                                          | 25        | 0         |        | 19.92  | 20.07  | 19.96   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3                                                          | 1         | 0         | QPSK   | 22.74  | 22.77  | 22.84   | 25.75      | 0.3758   |
| 3                                                          | 1         | 8         |        | 22.77  | 22.78  | 22.85   |            |          |
| 3                                                          | 1         | 14        |        | 22.71  | 22.74  | 22.82   |            |          |
| 3                                                          | 8         | 0         |        | 21.81  | 21.82  | 21.75   |            |          |
| 3                                                          | 8         | 4         |        | 21.82  | 21.84  | 21.89   |            |          |
| 3                                                          | 8         | 7         |        | 21.79  | 21.81  | 21.76   |            |          |
| 3                                                          | 15        | 0         |        | 21.80  | 21.82  | 21.82   |            |          |
| 3                                                          | 1         | 0         | 16-QAM | 22.04  | 22.13  | 21.90   | 25.10      | 0.3236   |
| 3                                                          | 1         | 8         |        | 22.07  | 22.20  | 21.85   |            |          |
| 3                                                          | 1         | 14        |        | 22.05  | 22.12  | 21.76   |            |          |
| 3                                                          | 8         | 0         |        | 20.96  | 21.04  | 20.83   |            |          |
| 3                                                          | 8         | 4         |        | 20.99  | 21.08  | 20.93   |            |          |
| 3                                                          | 8         | 7         |        | 20.95  | 21.02  | 20.90   |            |          |
| 3                                                          | 15        | 0         |        | 20.92  | 21.07  | 20.88   |            |          |
| 3                                                          | 1         | 0         | 64-QAM | 21.02  | 21.21  | 21.02   | 24.12      | 0.2582   |
| 3                                                          | 1         | 8         |        | 21.04  | 21.22  | 20.99   |            |          |
| 3                                                          | 1         | 14        |        | 21.03  | 21.19  | 20.90   |            |          |
| 3                                                          | 8         | 0         |        | 20.00  | 20.17  | 20.01   |            |          |
| 3                                                          | 8         | 4         |        | 20.04  | 20.21  | 20.02   |            |          |
| 3                                                          | 8         | 7         |        | 19.98  | 20.18  | 19.97   |            |          |
| 3                                                          | 15        | 0         |        | 19.93  | 20.09  | 20.00   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4                                                        | 1         | 0         | QPSK   | 22.71  | 22.75  | 22.81   | 25.79      | 0.3793   |
| 1.4                                                        | 1         | 3         |        | 22.79  | 22.84  | 22.89   |            |          |
| 1.4                                                        | 1         | 5         |        | 22.71  | 22.74  | 22.75   |            |          |
| 1.4                                                        | 3         | 0         |        | 22.75  | 22.78  | 22.73   |            |          |
| 1.4                                                        | 3         | 1         |        | 22.84  | 22.86  | 22.83   |            |          |
| 1.4                                                        | 3         | 3         |        | 22.79  | 22.80  | 22.80   |            |          |
| 1.4                                                        | 6         | 0         |        | 21.77  | 21.78  | 21.80   |            |          |
| 1.4                                                        | 1         | 0         | 16-QAM | 22.03  | 22.12  | 21.79   | 25.08      | 0.3221   |
| 1.4                                                        | 1         | 3         |        | 22.10  | 22.18  | 21.82   |            |          |
| 1.4                                                        | 1         | 5         |        | 22.00  | 22.10  | 21.74   |            |          |
| 1.4                                                        | 3         | 0         |        | 21.85  | 21.92  | 21.64   |            |          |
| 1.4                                                        | 3         | 1         |        | 21.91  | 21.96  | 21.70   |            |          |
| 1.4                                                        | 3         | 3         |        | 21.83  | 21.89  | 21.62   |            |          |
| 1.4                                                        | 6         | 0         |        | 20.96  | 21.01  | 20.85   |            |          |
| 1.4                                                        | 1         | 0         | 64-QAM | 21.02  | 21.12  | 20.83   | 24.16      | 0.2606   |
| 1.4                                                        | 1         | 3         |        | 21.09  | 21.26  | 20.90   |            |          |
| 1.4                                                        | 1         | 5         |        | 21.00  | 21.20  | 20.77   |            |          |
| 1.4                                                        | 3         | 0         |        | 21.02  | 21.19  | 20.94   |            |          |
| 1.4                                                        | 3         | 1         |        | 21.06  | 21.25  | 20.98   |            |          |
| 1.4                                                        | 3         | 3         |        | 21.03  | 21.18  | 20.92   |            |          |
| 1.4                                                        | 6         | 0         |        | 19.90  | 20.05  | 19.92   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                        | 1         | 0         | QPSK   | 23.01  | 23.08  | 23.15   | 26.10      | 0.4074   |
| 20                                                        | 1         | 49        |        | 23.05  | 23.04  | 23.17   |            |          |
| 20                                                        | 1         | 99        |        | 23.10  | 23.09  | 23.20   |            |          |
| 20                                                        | 50        | 0         |        | 22.11  | 22.08  | 22.18   |            |          |
| 20                                                        | 50        | 24        |        | 22.10  | 22.08  | 22.26   |            |          |
| 20                                                        | 50        | 50        |        | 22.12  | 22.09  | 22.27   |            |          |
| 20                                                        | 100       | 0         |        | 21.99  | 22.09  | 22.22   |            |          |
| 20                                                        | 1         | 0         | 16-QAM | 22.18  | 22.35  | 22.45   | 25.44      | 0.3499   |
| 20                                                        | 1         | 49        |        | 22.38  | 22.38  | 22.42   |            |          |
| 20                                                        | 1         | 99        |        | 22.35  | 22.22  | 22.54   |            |          |
| 20                                                        | 50        | 0         |        | 21.14  | 21.31  | 21.25   |            |          |
| 20                                                        | 50        | 24        |        | 21.24  | 21.21  | 21.35   |            |          |
| 20                                                        | 50        | 50        |        | 21.29  | 21.14  | 21.32   |            |          |
| 20                                                        | 100       | 0         |        | 21.21  | 21.25  | 21.32   |            |          |
| 20                                                        | 1         | 0         | 64-QAM | 21.26  | 21.45  | 21.40   | 24.40      | 0.2754   |
| 20                                                        | 1         | 49        |        | 21.38  | 21.34  | 21.38   |            |          |
| 20                                                        | 1         | 99        |        | 21.41  | 21.24  | 21.50   |            |          |
| 20                                                        | 50        | 0         |        | 20.27  | 20.33  | 20.26   |            |          |
| 20                                                        | 50        | 24        |        | 20.28  | 20.30  | 20.38   |            |          |
| 20                                                        | 50        | 50        |        | 20.33  | 20.23  | 20.33   |            |          |
| 20                                                        | 100       | 0         |        | 20.26  | 20.29  | 20.33   |            |          |
| Limit                                                     | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                        | 1         | 0         | QPSK   | 22.97  | 23.05  | 23.06   | 26.07      | 0.4046   |
| 15                                                        | 1         | 37        |        | 23.02  | 23.01  | 23.17   |            |          |
| 15                                                        | 1         | 74        |        | 23.10  | 23.03  | 23.15   |            |          |
| 15                                                        | 36        | 0         |        | 22.09  | 21.98  | 22.11   |            |          |
| 15                                                        | 36        | 20        |        | 22.05  | 21.99  | 22.25   |            |          |
| 15                                                        | 36        | 39        |        | 22.04  | 22.01  | 22.25   |            |          |
| 15                                                        | 75        | 0         |        | 21.98  | 22.07  | 22.14   |            |          |
| 15                                                        | 1         | 0         | 16-QAM | 22.14  | 22.35  | 22.35   | 25.42      | 0.3483   |
| 15                                                        | 1         | 37        |        | 22.29  | 22.32  | 22.42   |            |          |
| 15                                                        | 1         | 74        |        | 22.29  | 22.15  | 22.52   |            |          |
| 15                                                        | 36        | 0         |        | 21.11  | 21.30  | 21.20   |            |          |
| 15                                                        | 36        | 20        |        | 21.17  | 21.20  | 21.28   |            |          |
| 15                                                        | 36        | 39        |        | 21.20  | 21.12  | 21.29   |            |          |
| 15                                                        | 75        | 0         |        | 21.15  | 21.22  | 21.27   |            |          |
| 15                                                        | 1         | 0         | 64-QAM | 21.26  | 21.37  | 21.33   | 24.37      | 0.2735   |
| 15                                                        | 1         | 37        |        | 21.28  | 21.27  | 21.28   |            |          |
| 15                                                        | 1         | 74        |        | 21.36  | 21.14  | 21.47   |            |          |
| 15                                                        | 36        | 0         |        | 20.25  | 20.26  | 20.18   |            |          |
| 15                                                        | 36        | 20        |        | 20.28  | 20.21  | 20.34   |            |          |
| 15                                                        | 36        | 39        |        | 20.28  | 20.14  | 20.25   |            |          |
| 15                                                        | 75        | 0         |        | 20.26  | 20.19  | 20.28   |            |          |
| Limit                                                     | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                        | 1         | 0         | QPSK   | 22.95  | 23.06  | 23.10   | 26.10      | 0.4074   |
| 10                                                        | 1         | 25        |        | 22.98  | 23.00  | 23.10   |            |          |
| 10                                                        | 1         | 49        |        | 23.03  | 23.00  | 23.20   |            |          |
| 10                                                        | 25        | 0         |        | 22.01  | 21.99  | 22.17   |            |          |
| 10                                                        | 25        | 12        |        | 22.08  | 22.04  | 22.16   |            |          |
| 10                                                        | 25        | 25        |        | 22.04  | 22.02  | 22.19   |            |          |
| 10                                                        | 50        | 0         |        | 21.98  | 22.06  | 22.14   |            |          |
| 10                                                        | 1         | 0         | 16-QAM | 22.11  | 22.28  | 22.38   | 25.38      | 0.3451   |
| 10                                                        | 1         | 25        |        | 22.30  | 22.28  | 22.36   |            |          |
| 10                                                        | 1         | 49        |        | 22.32  | 22.13  | 22.48   |            |          |
| 10                                                        | 25        | 0         |        | 21.06  | 21.28  | 21.17   |            |          |
| 10                                                        | 25        | 12        |        | 21.23  | 21.21  | 21.31   |            |          |
| 10                                                        | 25        | 25        |        | 21.29  | 21.05  | 21.32   |            |          |
| 10                                                        | 50        | 0         |        | 21.17  | 21.25  | 21.22   |            |          |
| 10                                                        | 1         | 0         | 64-QAM | 21.26  | 21.39  | 21.36   | 24.38      | 0.2742   |
| 10                                                        | 1         | 25        |        | 21.35  | 21.24  | 21.37   |            |          |
| 10                                                        | 1         | 49        |        | 21.39  | 21.23  | 21.48   |            |          |
| 10                                                        | 25        | 0         |        | 20.17  | 20.24  | 20.24   |            |          |
| 10                                                        | 25        | 12        |        | 20.20  | 20.23  | 20.28   |            |          |
| 10                                                        | 25        | 25        |        | 20.31  | 20.19  | 20.24   |            |          |
| 10                                                        | 50        | 0         |        | 20.18  | 20.24  | 20.26   |            |          |
| Limit                                                     | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                         | 1         | 0         | QPSK   | 22.99  | 22.98  | 23.12   | 26.08      | 0.4055   |
| 5                                                         | 1         | 12        |        | 23.02  | 22.97  | 23.11   |            |          |
| 5                                                         | 1         | 24        |        | 23.10  | 23.01  | 23.18   |            |          |
| 5                                                         | 12        | 0         |        | 22.07  | 22.04  | 22.10   |            |          |
| 5                                                         | 12        | 7         |        | 22.10  | 21.98  | 22.21   |            |          |
| 5                                                         | 12        | 13        |        | 22.11  | 22.09  | 22.17   |            |          |
| 5                                                         | 25        | 0         |        | 21.89  | 22.07  | 22.19   |            |          |
| 5                                                         | 1         | 0         | 16-QAM | 22.16  | 22.28  | 22.38   | 25.34      | 0.3420   |
| 5                                                         | 1         | 12        |        | 22.32  | 22.36  | 22.38   |            |          |
| 5                                                         | 1         | 24        |        | 22.34  | 22.18  | 22.44   |            |          |
| 5                                                         | 12        | 0         |        | 21.05  | 21.27  | 21.25   |            |          |
| 5                                                         | 12        | 7         |        | 21.14  | 21.12  | 21.28   |            |          |
| 5                                                         | 12        | 13        |        | 21.21  | 21.05  | 21.22   |            |          |
| 5                                                         | 25        | 0         |        | 21.18  | 21.22  | 21.31   |            |          |
| 5                                                         | 1         | 0         | 64-QAM | 21.20  | 21.37  | 21.34   | 24.39      | 0.2748   |
| 5                                                         | 1         | 12        |        | 21.29  | 21.27  | 21.32   |            |          |
| 5                                                         | 1         | 24        |        | 21.34  | 21.19  | 21.49   |            |          |
| 5                                                         | 12        | 0         |        | 20.22  | 20.30  | 20.23   |            |          |
| 5                                                         | 12        | 7         |        | 20.22  | 20.30  | 20.34   |            |          |
| 5                                                         | 12        | 13        |        | 20.32  | 20.17  | 20.25   |            |          |
| 5                                                         | 25        | 0         |        | 20.20  | 20.20  | 20.24   |            |          |
| Limit                                                     | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3                                                         | 1         | 0         | QPSK   | 22.98  | 23.08  | 23.09   | 26.03      | 0.4009   |
| 3                                                         | 1         | 8         |        | 23.03  | 22.97  | 23.10   |            |          |
| 3                                                         | 1         | 14        |        | 23.08  | 23.08  | 23.13   |            |          |
| 3                                                         | 8         | 0         |        | 22.07  | 22.02  | 22.17   |            |          |
| 3                                                         | 8         | 4         |        | 22.06  | 22.07  | 22.18   |            |          |
| 3                                                         | 8         | 7         |        | 22.07  | 22.01  | 22.23   |            |          |
| 3                                                         | 15        | 0         |        | 21.89  | 22.05  | 22.15   |            |          |
| 3                                                         | 1         | 0         | 16-QAM | 22.13  | 22.26  | 22.36   | 25.39      | 0.3459   |
| 3                                                         | 1         | 8         |        | 22.32  | 22.38  | 22.38   |            |          |
| 3                                                         | 1         | 14        |        | 22.27  | 22.14  | 22.49   |            |          |
| 3                                                         | 8         | 0         |        | 21.05  | 21.30  | 21.22   |            |          |
| 3                                                         | 8         | 4         |        | 21.21  | 21.20  | 21.25   |            |          |
| 3                                                         | 8         | 7         |        | 21.23  | 21.09  | 21.23   |            |          |
| 3                                                         | 15        | 0         |        | 21.11  | 21.24  | 21.28   |            |          |
| 3                                                         | 1         | 0         | 64-QAM | 21.20  | 21.41  | 21.39   | 24.38      | 0.2742   |
| 3                                                         | 1         | 8         |        | 21.31  | 21.33  | 21.28   |            |          |
| 3                                                         | 1         | 14        |        | 21.40  | 21.24  | 21.48   |            |          |
| 3                                                         | 8         | 0         |        | 20.25  | 20.23  | 20.22   |            |          |
| 3                                                         | 8         | 4         |        | 20.25  | 20.27  | 20.28   |            |          |
| 3                                                         | 8         | 7         |        | 20.28  | 20.20  | 20.32   |            |          |
| 3                                                         | 15        | 0         |        | 20.26  | 20.21  | 20.33   |            |          |
| Limit                                                     | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|-----------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                  | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4                                                       | 1         | 0         | QPSK   | 22.87  | 23.01  | 23.08   | 26.09      | 0.4064   |
| 1.4                                                       | 1         | 3         |        | 22.98  | 23.10  | 23.17   |            |          |
| 1.4                                                       | 1         | 5         |        | 22.88  | 23.03  | 23.07   |            |          |
| 1.4                                                       | 3         | 0         |        | 22.95  | 23.09  | 23.15   |            |          |
| 1.4                                                       | 3         | 1         |        | 22.99  | 23.14  | 23.19   |            |          |
| 1.4                                                       | 3         | 3         |        | 22.95  | 23.09  | 23.16   |            |          |
| 1.4                                                       | 6         | 0         |        | 21.96  | 22.08  | 22.16   |            |          |
| 1.4                                                       | 1         | 0         | 16-QAM | 22.14  | 22.33  | 22.39   | 25.38      | 0.3451   |
| 1.4                                                       | 1         | 3         |        | 22.23  | 22.40  | 22.48   |            |          |
| 1.4                                                       | 1         | 5         |        | 22.16  | 22.30  | 22.40   |            |          |
| 1.4                                                       | 3         | 0         |        | 21.96  | 22.16  | 22.21   |            |          |
| 1.4                                                       | 3         | 1         |        | 22.01  | 22.20  | 22.25   |            |          |
| 1.4                                                       | 3         | 3         |        | 21.96  | 22.11  | 22.20   |            |          |
| 1.4                                                       | 6         | 0         |        | 21.10  | 21.27  | 21.32   |            |          |
| 1.4                                                       | 1         | 0         | 64-QAM | 21.14  | 21.35  | 21.40   | 24.37      | 0.2735   |
| 1.4                                                       | 1         | 3         |        | 21.20  | 21.39  | 21.47   |            |          |
| 1.4                                                       | 1         | 5         |        | 21.11  | 21.30  | 21.39   |            |          |
| 1.4                                                       | 3         | 0         |        | 21.13  | 21.33  | 21.41   |            |          |
| 1.4                                                       | 3         | 1         |        | 21.19  | 21.36  | 21.45   |            |          |
| 1.4                                                       | 3         | 3         |        | 21.11  | 21.30  | 21.39   |            |          |
| 1.4                                                       | 6         | 0         |        | 20.06  | 20.21  | 20.30   |            |          |
| Limit                                                     | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                         | 1        | 0         | QPSK   | 23.13  | 23.18  | 23.04   | 20.23     | 0.1054  |
| 10                                                         | 1        | 25        |        | 23.10  | 23.10  | 22.99   |           |         |
| 10                                                         | 1        | 49        |        | 23.14  | 23.10  | 23.01   |           |         |
| 10                                                         | 25       | 0         |        | 22.17  | 22.22  | 22.08   |           |         |
| 10                                                         | 25       | 12        |        | 22.21  | 22.18  | 22.07   |           |         |
| 10                                                         | 25       | 25        |        | 22.21  | 22.08  | 22.02   |           |         |
| 10                                                         | 50       | 0         |        | 22.24  | 22.16  | 22.07   |           |         |
| 10                                                         | 1        | 0         | 16-QAM | 22.52  | 22.36  | 22.35   | 19.57     | 0.0906  |
| 10                                                         | 1        | 25        |        | 22.38  | 22.36  | 22.20   |           |         |
| 10                                                         | 1        | 49        |        | 22.31  | 22.38  | 22.18   |           |         |
| 10                                                         | 25       | 0         |        | 21.29  | 21.23  | 21.16   |           |         |
| 10                                                         | 25       | 12        |        | 21.37  | 21.23  | 21.11   |           |         |
| 10                                                         | 25       | 25        |        | 21.24  | 21.19  | 21.05   |           |         |
| 10                                                         | 50       | 0         |        | 21.33  | 21.23  | 21.14   |           |         |
| 10                                                         | 1        | 0         | 64-QAM | 21.46  | 21.34  | 21.33   | 18.51     | 0.0710  |
| 10                                                         | 1        | 25        |        | 21.32  | 21.30  | 21.21   |           |         |
| 10                                                         | 1        | 49        |        | 21.25  | 21.37  | 21.17   |           |         |
| 10                                                         | 25       | 0         |        | 20.28  | 20.23  | 20.17   |           |         |
| 10                                                         | 25       | 12        |        | 20.36  | 20.24  | 20.15   |           |         |
| 10                                                         | 25       | 25        |        | 20.26  | 20.18  | 20.08   |           |         |
| 10                                                         | 50       | 0         |        | 20.34  | 20.24  | 20.13   |           |         |
| Limit                                                      | ERP < 7W |           |        | Result |        |         | Pass      |         |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                          | 1        | 0         | QPSK   | 23.12  | 23.08  | 22.96   | 20.17     | 0.1040  |
| 5                                                          | 1        | 12        |        | 23.09  | 23.09  | 22.90   |           |         |
| 5                                                          | 1        | 24        |        | 23.06  | 23.01  | 22.97   |           |         |
| 5                                                          | 12       | 0         |        | 22.08  | 22.10  | 22.07   |           |         |
| 5                                                          | 12       | 7         |        | 22.19  | 22.15  | 21.98   |           |         |
| 5                                                          | 12       | 13        |        | 22.16  | 22.08  | 22.01   |           |         |
| 5                                                          | 25       | 0         |        | 22.16  | 22.10  | 22.05   |           |         |
| 5                                                          | 1        | 0         | 16-QAM | 22.43  | 22.34  | 22.29   | 19.48     | 0.0887  |
| 5                                                          | 1        | 12        |        | 22.33  | 22.28  | 22.12   |           |         |
| 5                                                          | 1        | 24        |        | 22.28  | 22.29  | 22.16   |           |         |
| 5                                                          | 12       | 0         |        | 21.27  | 21.16  | 21.11   |           |         |
| 5                                                          | 12       | 7         |        | 21.37  | 21.15  | 21.08   |           |         |
| 5                                                          | 12       | 13        |        | 21.20  | 21.13  | 21.01   |           |         |
| 5                                                          | 25       | 0         |        | 21.33  | 21.14  | 21.12   |           |         |
| 5                                                          | 1        | 0         | 64-QAM | 21.37  | 21.31  | 21.27   | 18.42     | 0.0695  |
| 5                                                          | 1        | 12        |        | 21.29  | 21.24  | 21.18   |           |         |
| 5                                                          | 1        | 24        |        | 21.23  | 21.36  | 21.09   |           |         |
| 5                                                          | 12       | 0         |        | 20.28  | 20.20  | 20.10   |           |         |
| 5                                                          | 12       | 7         |        | 20.28  | 20.17  | 20.10   |           |         |
| 5                                                          | 12       | 13        |        | 20.19  | 20.10  | 20.08   |           |         |
| 5                                                          | 25       | 0         |        | 20.34  | 20.14  | 20.11   |           |         |
| Limit                                                      | ERP < 7W |           |        | Result |        |         | Pass      |         |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                          | 1        | 0         | QPSK   | 23.05  | 23.13  | 23.00   | 20.18     | 0.1042  |
| 3                                                          | 1        | 8         |        | 23.08  | 23.10  | 22.98   |           |         |
| 3                                                          | 1        | 14        |        | 23.13  | 23.07  | 23.00   |           |         |
| 3                                                          | 8        | 0         |        | 22.13  | 22.12  | 22.08   |           |         |
| 3                                                          | 8        | 4         |        | 22.17  | 22.14  | 22.04   |           |         |
| 3                                                          | 8        | 7         |        | 22.11  | 22.01  | 21.98   |           |         |
| 3                                                          | 15       | 0         |        | 22.21  | 22.14  | 22.00   |           |         |
| 3                                                          | 1        | 0         | 16-QAM | 22.46  | 22.28  | 22.25   | 19.51     | 0.0893  |
| 3                                                          | 1        | 8         |        | 22.28  | 22.34  | 22.16   |           |         |
| 3                                                          | 1        | 14        |        | 22.30  | 22.31  | 22.18   |           |         |
| 3                                                          | 8        | 0         |        | 21.24  | 21.14  | 21.12   |           |         |
| 3                                                          | 8        | 4         |        | 21.33  | 21.19  | 21.03   |           |         |
| 3                                                          | 8        | 7         |        | 21.23  | 21.10  | 20.95   |           |         |
| 3                                                          | 15       | 0         |        | 21.26  | 21.18  | 21.05   |           |         |
| 3                                                          | 1        | 0         | 64-QAM | 21.39  | 21.28  | 21.30   | 18.44     | 0.0698  |
| 3                                                          | 1        | 8         |        | 21.32  | 21.23  | 21.13   |           |         |
| 3                                                          | 1        | 14        |        | 21.19  | 21.34  | 21.11   |           |         |
| 3                                                          | 8        | 0         |        | 20.26  | 20.18  | 20.17   |           |         |
| 3                                                          | 8        | 4         |        | 20.34  | 20.14  | 20.10   |           |         |
| 3                                                          | 8        | 7         |        | 20.23  | 20.17  | 20.04   |           |         |
| 3                                                          | 15       | 0         |        | 20.34  | 20.21  | 20.05   |           |         |
| Limit                                                      | ERP < 7W |           |        | Result |        |         | Pass      |         |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                        | 1        | 0         | QPSK   | 23.03  | 23.03  | 22.97   | 20.19     | 0.1045  |
| 1.4                                                        | 1        | 3         |        | 23.13  | 23.10  | 23.03   |           |         |
| 1.4                                                        | 1        | 5         |        | 23.03  | 23.01  | 22.97   |           |         |
| 1.4                                                        | 3        | 0         |        | 23.11  | 23.09  | 23.03   |           |         |
| 1.4                                                        | 3        | 1         |        | 23.14  | 23.12  | 23.08   |           |         |
| 1.4                                                        | 3        | 3         |        | 23.11  | 23.07  | 23.02   |           |         |
| 1.4                                                        | 6        | 0         |        | 22.13  | 22.09  | 22.05   |           |         |
| 1.4                                                        | 1        | 0         | 16-QAM | 22.43  | 22.25  | 22.15   | 19.55     | 0.0902  |
| 1.4                                                        | 1        | 3         |        | 22.50  | 22.31  | 22.19   |           |         |
| 1.4                                                        | 1        | 5         |        | 22.42  | 22.27  | 22.12   |           |         |
| 1.4                                                        | 3        | 0         |        | 22.22  | 22.08  | 21.98   |           |         |
| 1.4                                                        | 3        | 1         |        | 22.25  | 22.13  | 22.04   |           |         |
| 1.4                                                        | 3        | 3         |        | 22.19  | 22.08  | 21.99   |           |         |
| 1.4                                                        | 6        | 0         |        | 21.29  | 21.19  | 21.18   |           |         |
| 1.4                                                        | 1        | 0         | 64-QAM | 21.40  | 21.24  | 21.14   | 18.50     | 0.0708  |
| 1.4                                                        | 1        | 3         |        | 21.45  | 21.26  | 21.21   |           |         |
| 1.4                                                        | 1        | 5         |        | 21.39  | 21.21  | 21.15   |           |         |
| 1.4                                                        | 3        | 0         |        | 21.38  | 21.24  | 21.16   |           |         |
| 1.4                                                        | 3        | 1         |        | 21.40  | 21.28  | 21.22   |           |         |
| 1.4                                                        | 3        | 3         |        | 21.37  | 21.20  | 21.18   |           |         |
| 1.4                                                        | 6        | 0         |        | 20.23  | 20.14  | 20.11   |           |         |
| Limit                                                      | ERP < 7W |           |        | Result |        |         | Pass      |         |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                         | 1         | 0         | QPSK   | 23.23  | 23.25  | 23.37   | 20.77      | 0.1194   |
| 20                                                         | 1         | 49        |        | 23.26  | 23.30  | 23.38   |            |          |
| 20                                                         | 1         | 99        |        | 23.37  | 23.37  | 23.47   |            |          |
| 20                                                         | 50        | 0         |        | 22.32  | 22.33  | 22.44   |            |          |
| 20                                                         | 50        | 24        |        | 22.33  | 22.37  | 22.47   |            |          |
| 20                                                         | 50        | 50        |        | 22.47  | 22.40  | 22.48   |            |          |
| 20                                                         | 100       | 0         |        | 22.43  | 22.38  | 22.44   |            |          |
| 20                                                         | 1         | 0         | 16-QAM | 22.65  | 22.62  | 22.78   | 20.22      | 0.1052   |
| 20                                                         | 1         | 49        |        | 22.62  | 22.70  | 22.76   |            |          |
| 20                                                         | 1         | 99        |        | 22.70  | 22.83  | 22.92   |            |          |
| 20                                                         | 50        | 0         |        | 21.44  | 21.43  | 21.54   |            |          |
| 20                                                         | 50        | 24        |        | 21.46  | 21.46  | 21.59   |            |          |
| 20                                                         | 50        | 50        |        | 21.52  | 21.50  | 21.59   |            |          |
| 20                                                         | 100       | 0         |        | 21.53  | 21.47  | 21.54   |            |          |
| 20                                                         | 1         | 0         | 64-QAM | 21.59  | 21.50  | 21.66   | 19.13      | 0.0818   |
| 20                                                         | 1         | 49        |        | 21.53  | 21.56  | 21.65   |            |          |
| 20                                                         | 1         | 99        |        | 21.61  | 21.73  | 21.83   |            |          |
| 20                                                         | 50        | 0         |        | 20.45  | 20.44  | 20.55   |            |          |
| 20                                                         | 50        | 24        |        | 20.47  | 20.47  | 20.55   |            |          |
| 20                                                         | 50        | 50        |        | 20.53  | 20.52  | 20.58   |            |          |
| 20                                                         | 100       | 0         |        | 20.54  | 20.48  | 20.57   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                         | 1         | 0         | QPSK   | 23.16  | 23.20  | 23.35   | 20.70      | 0.1175   |
| 15                                                         | 1         | 37        |        | 23.22  | 23.20  | 23.34   |            |          |
| 15                                                         | 1         | 74        |        | 23.29  | 23.33  | 23.40   |            |          |
| 15                                                         | 36        | 0         |        | 22.30  | 22.23  | 22.43   |            |          |
| 15                                                         | 36        | 20        |        | 22.25  | 22.30  | 22.47   |            |          |
| 15                                                         | 36        | 39        |        | 22.47  | 22.35  | 22.48   |            |          |
| 15                                                         | 75        | 0         |        | 22.33  | 22.30  | 22.44   |            |          |
| 15                                                         | 1         | 0         | 16-QAM | 22.58  | 22.53  | 22.69   | 20.15      | 0.1035   |
| 15                                                         | 1         | 37        |        | 22.62  | 22.69  | 22.71   |            |          |
| 15                                                         | 1         | 74        |        | 22.60  | 22.74  | 22.85   |            |          |
| 15                                                         | 36        | 0         |        | 21.39  | 21.43  | 21.54   |            |          |
| 15                                                         | 36        | 20        |        | 21.44  | 21.45  | 21.51   |            |          |
| 15                                                         | 36        | 39        |        | 21.46  | 21.45  | 21.56   |            |          |
| 15                                                         | 75        | 0         |        | 21.43  | 21.41  | 21.49   |            |          |
| 15                                                         | 1         | 0         | 64-QAM | 21.55  | 21.50  | 21.59   | 19.10      | 0.0813   |
| 15                                                         | 1         | 37        |        | 21.48  | 21.52  | 21.59   |            |          |
| 15                                                         | 1         | 74        |        | 21.52  | 21.72  | 21.80   |            |          |
| 15                                                         | 36        | 0         |        | 20.42  | 20.34  | 20.54   |            |          |
| 15                                                         | 36        | 20        |        | 20.44  | 20.38  | 20.46   |            |          |
| 15                                                         | 36        | 39        |        | 20.44  | 20.47  | 20.55   |            |          |
| 15                                                         | 75        | 0         |        | 20.45  | 20.48  | 20.47   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                         | 1         | 0         | QPSK   | 23.16  | 23.23  | 23.27   | 20.76      | 0.1191   |
| 10                                                         | 1         | 25        |        | 23.19  | 23.25  | 23.30   |            |          |
| 10                                                         | 1         | 49        |        | 23.31  | 23.36  | 23.46   |            |          |
| 10                                                         | 25        | 0         |        | 22.26  | 22.23  | 22.35   |            |          |
| 10                                                         | 25        | 12        |        | 22.33  | 22.32  | 22.46   |            |          |
| 10                                                         | 25        | 25        |        | 22.38  | 22.34  | 22.48   |            |          |
| 10                                                         | 50        | 0         |        | 22.41  | 22.28  | 22.44   |            |          |
| 10                                                         | 1         | 0         | 16-QAM | 22.62  | 22.57  | 22.78   | 20.12      | 0.1028   |
| 10                                                         | 1         | 25        |        | 22.57  | 22.70  | 22.68   |            |          |
| 10                                                         | 1         | 49        |        | 22.65  | 22.82  | 22.82   |            |          |
| 10                                                         | 25        | 0         |        | 21.35  | 21.33  | 21.50   |            |          |
| 10                                                         | 25        | 12        |        | 21.39  | 21.39  | 21.57   |            |          |
| 10                                                         | 25        | 25        |        | 21.50  | 21.42  | 21.58   |            |          |
| 10                                                         | 50        | 0         |        | 21.43  | 21.43  | 21.45   |            |          |
| 10                                                         | 1         | 0         | 64-QAM | 21.52  | 21.44  | 21.63   | 19.05      | 0.0804   |
| 10                                                         | 1         | 25        |        | 21.53  | 21.52  | 21.55   |            |          |
| 10                                                         | 1         | 49        |        | 21.59  | 21.63  | 21.75   |            |          |
| 10                                                         | 25        | 0         |        | 20.42  | 20.43  | 20.52   |            |          |
| 10                                                         | 25        | 12        |        | 20.37  | 20.39  | 20.46   |            |          |
| 10                                                         | 25        | 25        |        | 20.43  | 20.49  | 20.49   |            |          |
| 10                                                         | 50        | 0         |        | 20.49  | 20.43  | 20.48   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                          | 1         | 0         | QPSK   | 23.17  | 23.17  | 23.32   | 20.75      | 0.1189   |
| 5                                                          | 1         | 12        |        | 23.24  | 23.30  | 23.28   |            |          |
| 5                                                          | 1         | 24        |        | 23.27  | 23.37  | 23.45   |            |          |
| 5                                                          | 12        | 0         |        | 22.29  | 22.28  | 22.44   |            |          |
| 5                                                          | 12        | 7         |        | 22.28  | 22.28  | 22.41   |            |          |
| 5                                                          | 12        | 13        |        | 22.45  | 22.30  | 22.43   |            |          |
| 5                                                          | 25        | 0         |        | 22.41  | 22.31  | 22.38   |            |          |
| 5                                                          | 1         | 0         | 16-QAM | 22.65  | 22.56  | 22.68   | 20.16      | 0.1038   |
| 5                                                          | 1         | 12        |        | 22.60  | 22.60  | 22.67   |            |          |
| 5                                                          | 1         | 24        |        | 22.66  | 22.83  | 22.86   |            |          |
| 5                                                          | 12        | 0         |        | 21.42  | 21.43  | 21.54   |            |          |
| 5                                                          | 12        | 7         |        | 21.36  | 21.38  | 21.55   |            |          |
| 5                                                          | 12        | 13        |        | 21.50  | 21.41  | 21.53   |            |          |
| 5                                                          | 25        | 0         |        | 21.48  | 21.45  | 21.52   |            |          |
| 5                                                          | 1         | 0         | 64-QAM | 21.57  | 21.43  | 21.64   | 19.10      | 0.0813   |
| 5                                                          | 1         | 12        |        | 21.46  | 21.51  | 21.61   |            |          |
| 5                                                          | 1         | 24        |        | 21.54  | 21.69  | 21.80   |            |          |
| 5                                                          | 12        | 0         |        | 20.41  | 20.43  | 20.48   |            |          |
| 5                                                          | 12        | 7         |        | 20.43  | 20.38  | 20.55   |            |          |
| 5                                                          | 12        | 13        |        | 20.51  | 20.49  | 20.51   |            |          |
| 5                                                          | 25        | 0         |        | 20.48  | 20.47  | 20.50   |            |          |
| Limit                                                      | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.6 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 22.92  | 23.05  | 23.07   | 19.37     | 0.0865  |
| 10                                                          | 1        | 25        |        | 23.06  | 23.11  | 23.08   |           |         |
| 10                                                          | 1        | 49        |        | 23.11  | 23.12  | 23.11   |           |         |
| 10                                                          | 25       | 0         |        | 22.12  | 22.19  | 22.15   |           |         |
| 10                                                          | 25       | 12        |        | 22.23  | 22.18  | 22.17   |           |         |
| 10                                                          | 25       | 25        |        | 22.20  | 22.17  | 22.14   |           |         |
| 10                                                          | 50       | 0         |        | 22.18  | 22.17  | 22.14   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 22.12  | 22.20  | 22.31   | 18.70     | 0.0741  |
| 10                                                          | 1        | 25        |        | 22.24  | 22.42  | 22.32   |           |         |
| 10                                                          | 1        | 49        |        | 22.45  | 22.30  | 22.19   |           |         |
| 10                                                          | 25       | 0         |        | 21.14  | 21.21  | 21.16   |           |         |
| 10                                                          | 25       | 12        |        | 21.25  | 21.28  | 21.15   |           |         |
| 10                                                          | 25       | 25        |        | 21.26  | 21.17  | 21.08   |           |         |
| 10                                                          | 50       | 0         |        | 21.24  | 21.22  | 21.15   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 21.06  | 21.15  | 21.29   | 17.65     | 0.0582  |
| 10                                                          | 1        | 25        |        | 21.22  | 21.40  | 21.26   |           |         |
| 10                                                          | 1        | 49        |        | 21.39  | 21.25  | 21.16   |           |         |
| 10                                                          | 25       | 0         |        | 20.14  | 20.26  | 20.17   |           |         |
| 10                                                          | 25       | 12        |        | 20.26  | 20.25  | 20.18   |           |         |
| 10                                                          | 25       | 25        |        | 20.25  | 20.20  | 20.14   |           |         |
| 10                                                          | 50       | 0         |        | 20.27  | 20.23  | 20.16   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.6 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.90  | 23.04  | 22.97   | 19.36     | 0.0863  |
| 5                                                           | 1        | 12        |        | 23.04  | 23.03  | 23.07   |           |         |
| 5                                                           | 1        | 24        |        | 23.09  | 23.10  | 23.11   |           |         |
| 5                                                           | 12       | 0         |        | 22.06  | 22.11  | 22.06   |           |         |
| 5                                                           | 12       | 7         |        | 22.19  | 22.17  | 22.17   |           |         |
| 5                                                           | 12       | 13        |        | 22.15  | 22.15  | 22.13   |           |         |
| 5                                                           | 25       | 0         |        | 22.15  | 22.14  | 22.14   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 22.06  | 22.17  | 22.28   | 18.63     | 0.0729  |
| 5                                                           | 1        | 12        |        | 22.22  | 22.37  | 22.28   |           |         |
| 5                                                           | 1        | 24        |        | 22.38  | 22.21  | 22.12   |           |         |
| 5                                                           | 12       | 0         |        | 21.11  | 21.15  | 21.08   |           |         |
| 5                                                           | 12       | 7         |        | 21.24  | 21.28  | 21.06   |           |         |
| 5                                                           | 12       | 13        |        | 21.16  | 21.10  | 21.08   |           |         |
| 5                                                           | 25       | 0         |        | 21.19  | 21.19  | 21.05   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 21.04  | 21.05  | 21.24   | 17.58     | 0.0573  |
| 5                                                           | 1        | 12        |        | 21.15  | 21.31  | 21.22   |           |         |
| 5                                                           | 1        | 24        |        | 21.33  | 21.16  | 21.06   |           |         |
| 5                                                           | 12       | 0         |        | 20.14  | 20.22  | 20.07   |           |         |
| 5                                                           | 12       | 7         |        | 20.16  | 20.17  | 20.14   |           |         |
| 5                                                           | 12       | 13        |        | 20.22  | 20.12  | 20.09   |           |         |
| 5                                                           | 25       | 0         |        | 20.22  | 20.14  | 20.15   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.6 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK   | 22.91  | 23.01  | 22.98   | 19.36     | 0.0863  |
| 3                                                           | 1        | 8         |        | 23.05  | 23.11  | 23.06   |           |         |
| 3                                                           | 1        | 14        |        | 23.03  | 23.09  | 23.06   |           |         |
| 3                                                           | 8        | 0         |        | 22.11  | 22.15  | 22.14   |           |         |
| 3                                                           | 8        | 4         |        | 22.22  | 22.14  | 22.15   |           |         |
| 3                                                           | 8        | 7         |        | 22.14  | 22.14  | 22.08   |           |         |
| 3                                                           | 15       | 0         |        | 22.13  | 22.17  | 22.05   |           |         |
| 3                                                           | 1        | 0         | 16-QAM | 22.04  | 22.10  | 22.29   | 18.67     | 0.0736  |
| 3                                                           | 1        | 8         |        | 22.21  | 22.42  | 22.22   |           |         |
| 3                                                           | 1        | 14        |        | 22.39  | 22.30  | 22.10   |           |         |
| 3                                                           | 8        | 0         |        | 21.10  | 21.11  | 21.09   |           |         |
| 3                                                           | 8        | 4         |        | 21.25  | 21.22  | 21.09   |           |         |
| 3                                                           | 8        | 7         |        | 21.26  | 21.12  | 20.98   |           |         |
| 3                                                           | 15       | 0         |        | 21.22  | 21.14  | 21.15   |           |         |
| 3                                                           | 1        | 0         | 64-QAM | 21.01  | 21.15  | 21.20   | 17.63     | 0.0579  |
| 3                                                           | 1        | 8         |        | 21.21  | 21.34  | 21.20   |           |         |
| 3                                                           | 1        | 14        |        | 21.38  | 21.18  | 21.09   |           |         |
| 3                                                           | 8        | 0         |        | 20.14  | 20.26  | 20.17   |           |         |
| 3                                                           | 8        | 4         |        | 20.19  | 20.23  | 20.13   |           |         |
| 3                                                           | 8        | 7         |        | 20.19  | 20.10  | 20.09   |           |         |
| 3                                                           | 15       | 0         |        | 20.20  | 20.22  | 20.07   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.6 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK   | 22.97  | 22.93  | 22.99   | 19.36     | 0.0863  |
| 1.4                                                         | 1        | 3         |        | 23.05  | 23.00  | 23.09   |           |         |
| 1.4                                                         | 1        | 5         |        | 22.98  | 22.93  | 23.02   |           |         |
| 1.4                                                         | 3        | 0         |        | 23.01  | 22.99  | 23.02   |           |         |
| 1.4                                                         | 3        | 1         |        | 23.08  | 23.04  | 23.11   |           |         |
| 1.4                                                         | 3        | 3         |        | 23.04  | 23.00  | 23.05   |           |         |
| 1.4                                                         | 6        | 0         |        | 22.10  | 22.10  | 22.16   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM | 22.28  | 22.32  | 22.19   | 18.67     | 0.0736  |
| 1.4                                                         | 1        | 3         |        | 22.29  | 22.42  | 22.24   |           |         |
| 1.4                                                         | 1        | 5         |        | 22.25  | 22.34  | 22.15   |           |         |
| 1.4                                                         | 3        | 0         |        | 22.11  | 22.16  | 22.05   |           |         |
| 1.4                                                         | 3        | 1         |        | 22.14  | 22.18  | 22.11   |           |         |
| 1.4                                                         | 3        | 3         |        | 22.09  | 22.12  | 22.04   |           |         |
| 1.4                                                         | 6        | 0         |        | 21.18  | 21.23  | 21.20   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM | 21.23  | 21.29  | 21.17   | 17.61     | 0.0577  |
| 1.4                                                         | 1        | 3         |        | 21.25  | 21.36  | 21.21   |           |         |
| 1.4                                                         | 1        | 5         |        | 21.20  | 21.30  | 21.13   |           |         |
| 1.4                                                         | 3        | 0         |        | 21.25  | 21.30  | 21.19   |           |         |
| 1.4                                                         | 3        | 1         |        | 21.29  | 21.34  | 21.23   |           |         |
| 1.4                                                         | 3        | 3         |        | 21.22  | 21.29  | 21.17   |           |         |
| 1.4                                                         | 6        | 0         |        | 20.12  | 20.17  | 20.15   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.9 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | -      | 22.93  | -       | 19.21     | 0.0834  |
| 10                                                          | 1        | 25        |        |        | 22.93  |         |           |         |
| 10                                                          | 1        | 49        |        |        | 22.96  |         |           |         |
| 10                                                          | 25       | 0         |        |        | 22.02  |         |           |         |
| 10                                                          | 25       | 12        |        |        | 21.96  |         |           |         |
| 10                                                          | 25       | 25        |        |        | 21.93  |         |           |         |
| 10                                                          | 50       | 0         |        |        | 21.97  |         |           |         |
| 10                                                          | 1        | 0         | 16-QAM |        | 22.16  | -       | 18.62     | 0.0728  |
| 10                                                          | 1        | 25        |        |        | 22.27  |         |           |         |
| 10                                                          | 1        | 49        |        |        | 22.37  |         |           |         |
| 10                                                          | 25       | 0         |        |        | 21.09  |         |           |         |
| 10                                                          | 25       | 12        |        |        | 21.07  |         |           |         |
| 10                                                          | 25       | 25        |        |        | 21.04  |         |           |         |
| 10                                                          | 50       | 0         |        |        | 21.08  |         |           |         |
| 10                                                          | 1        | 0         | 64-QAM |        | 21.14  |         | 17.56     | 0.0570  |
| 10                                                          | 1        | 25        |        |        | 21.21  |         |           |         |
| 10                                                          | 1        | 49        |        |        | 21.31  |         |           |         |
| 10                                                          | 25       | 0         |        |        | 20.09  |         |           |         |
| 10                                                          | 25       | 12        |        |        | 20.11  |         |           |         |
| 10                                                          | 25       | 25        |        |        | 20.04  |         |           |         |
| 10                                                          | 50       | 0         |        |        | 20.09  |         |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 13 Maximum Average Power [dBm] (GT - LC = -0.9 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.95  | 22.93  | 22.78   | 19.20     | 0.0832  |
| 5                                                           | 1        | 12        |        | 22.95  | 22.90  | 22.87   |           |         |
| 5                                                           | 1        | 24        |        | 22.93  | 22.89  | 22.86   |           |         |
| 5                                                           | 12       | 0         |        | 22.02  | 21.99  | 21.85   |           |         |
| 5                                                           | 12       | 7         |        | 22.06  | 21.99  | 21.85   |           |         |
| 5                                                           | 12       | 13        |        | 21.98  | 21.94  | 21.95   |           |         |
| 5                                                           | 25       | 0         |        | 21.98  | 21.96  | 21.83   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 22.13  | 22.23  | 22.16   | 18.53     | 0.0713  |
| 5                                                           | 1        | 12        |        | 22.26  | 22.28  | 22.25   |           |         |
| 5                                                           | 1        | 24        |        | 22.28  | 22.24  | 22.27   |           |         |
| 5                                                           | 12       | 0         |        | 21.09  | 21.08  | 20.96   |           |         |
| 5                                                           | 12       | 7         |        | 21.14  | 21.10  | 20.96   |           |         |
| 5                                                           | 12       | 13        |        | 21.08  | 21.05  | 21.05   |           |         |
| 5                                                           | 25       | 0         |        | 21.06  | 21.07  | 20.92   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 21.12  | 21.21  | 21.09   | 17.47     | 0.0558  |
| 5                                                           | 1        | 12        |        | 21.22  | 21.21  | 21.18   |           |         |
| 5                                                           | 1        | 24        |        | 21.21  | 21.17  | 21.20   |           |         |
| 5                                                           | 12       | 0         |        | 20.14  | 20.14  | 19.99   |           |         |
| 5                                                           | 12       | 7         |        | 20.14  | 20.15  | 20.02   |           |         |
| 5                                                           | 12       | 13        |        | 20.14  | 20.10  | 20.10   |           |         |
| 5                                                           | 25       | 0         |        | 20.07  | 20.03  | 19.94   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.6 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 23.01  | 22.98  | 22.98   | 19.27     | 0.0845  |
| 10                                                          | 1        | 25        |        | 23.01  | 23.00  | 22.99   |           |         |
| 10                                                          | 1        | 49        |        | 23.00  | 23.02  | 23.01   |           |         |
| 10                                                          | 25       | 0         |        | 22.09  | 22.09  | 22.09   |           |         |
| 10                                                          | 25       | 12        |        | 22.11  | 22.10  | 22.10   |           |         |
| 10                                                          | 25       | 25        |        | 22.10  | 22.12  | 22.10   |           |         |
| 10                                                          | 50       | 0         |        | 22.10  | 22.09  | 22.10   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 22.21  | 22.24  | 22.26   | 18.56     | 0.0718  |
| 10                                                          | 1        | 25        |        | 22.31  | 22.25  | 22.22   |           |         |
| 10                                                          | 1        | 49        |        | 22.15  | 22.14  | 22.12   |           |         |
| 10                                                          | 25       | 0         |        | 21.19  | 21.19  | 21.13   |           |         |
| 10                                                          | 25       | 12        |        | 21.18  | 21.15  | 21.14   |           |         |
| 10                                                          | 25       | 25        |        | 21.13  | 21.10  | 21.08   |           |         |
| 10                                                          | 50       | 0         |        | 21.16  | 21.15  | 21.13   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 21.17  | 21.19  | 21.21   | 17.52     | 0.0565  |
| 10                                                          | 1        | 25        |        | 21.27  | 21.25  | 21.20   |           |         |
| 10                                                          | 1        | 49        |        | 21.11  | 21.11  | 21.05   |           |         |
| 10                                                          | 25       | 0         |        | 20.16  | 20.16  | 20.15   |           |         |
| 10                                                          | 25       | 12        |        | 20.21  | 20.20  | 20.19   |           |         |
| 10                                                          | 25       | 25        |        | 20.14  | 20.14  | 20.11   |           |         |
| 10                                                          | 50       | 0         |        | 20.17  | 20.16  | 20.12   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.6 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.92  | 22.94  | 22.92   | 19.22     | 0.0836  |
| 5                                                           | 1        | 12        |        | 22.95  | 22.91  | 22.93   |           |         |
| 5                                                           | 1        | 24        |        | 22.91  | 22.97  | 22.92   |           |         |
| 5                                                           | 12       | 0         |        | 22.04  | 22.09  | 22.06   |           |         |
| 5                                                           | 12       | 7         |        | 22.07  | 22.01  | 22.00   |           |         |
| 5                                                           | 12       | 13        |        | 22.09  | 22.10  | 22.10   |           |         |
| 5                                                           | 25       | 0         |        | 22.02  | 22.01  | 22.08   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 22.16  | 22.20  | 22.18   | 18.46     | 0.0701  |
| 5                                                           | 1        | 12        |        | 22.21  | 22.18  | 22.21   |           |         |
| 5                                                           | 1        | 24        |        | 22.13  | 22.04  | 22.05   |           |         |
| 5                                                           | 12       | 0         |        | 21.13  | 21.18  | 21.06   |           |         |
| 5                                                           | 12       | 7         |        | 21.14  | 21.08  | 21.09   |           |         |
| 5                                                           | 12       | 13        |        | 21.05  | 21.06  | 21.06   |           |         |
| 5                                                           | 25       | 0         |        | 21.06  | 21.06  | 21.11   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 21.17  | 21.12  | 21.21   | 17.46     | 0.0557  |
| 5                                                           | 1        | 12        |        | 21.21  | 21.19  | 21.14   |           |         |
| 5                                                           | 1        | 24        |        | 21.04  | 21.02  | 21.01   |           |         |
| 5                                                           | 12       | 0         |        | 20.07  | 20.08  | 20.11   |           |         |
| 5                                                           | 12       | 7         |        | 20.11  | 20.10  | 20.16   |           |         |
| 5                                                           | 12       | 13        |        | 20.07  | 20.13  | 20.11   |           |         |
| 5                                                           | 25       | 0         |        | 20.10  | 20.13  | 20.05   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                          | 1        | 0         | QPSK   | 23.20  | 23.21  | 23.14   | 19.46     | 0.0883  |
| 15                                                          | 1        | 37        |        | 23.19  | 23.16  | 23.13   |           |         |
| 15                                                          | 1        | 74        |        | 23.19  | 23.20  | 23.10   |           |         |
| 15                                                          | 36       | 0         |        | 22.31  | 22.32  | 22.17   |           |         |
| 15                                                          | 36       | 20        |        | 22.30  | 22.26  | 22.16   |           |         |
| 15                                                          | 36       | 39        |        | 22.31  | 22.18  | 22.13   |           |         |
| 15                                                          | 75       | 0         |        | 22.25  | 22.26  | 22.20   |           |         |
| 15                                                          | 1        | 0         | 16-QAM | 22.43  | 22.60  | 22.36   | 18.85     | 0.0767  |
| 15                                                          | 1        | 37        |        | 22.57  | 22.35  | 22.44   |           |         |
| 15                                                          | 1        | 74        |        | 22.52  | 22.46  | 22.32   |           |         |
| 15                                                          | 36       | 0         |        | 21.39  | 21.35  | 21.22   |           |         |
| 15                                                          | 36       | 20        |        | 21.44  | 21.29  | 21.33   |           |         |
| 15                                                          | 36       | 39        |        | 21.45  | 21.25  | 21.22   |           |         |
| 15                                                          | 75       | 0         |        | 21.38  | 21.30  | 21.29   |           |         |
| 15                                                          | 1        | 0         | 64-QAM | 21.42  | 21.53  | 21.31   | 17.79     | 0.0601  |
| 15                                                          | 1        | 37        |        | 21.54  | 21.35  | 21.43   |           |         |
| 15                                                          | 1        | 74        |        | 21.49  | 21.43  | 21.33   |           |         |
| 15                                                          | 36       | 0         |        | 20.41  | 20.37  | 20.24   |           |         |
| 15                                                          | 36       | 20        |        | 20.44  | 20.31  | 20.34   |           |         |
| 15                                                          | 36       | 39        |        | 20.47  | 20.25  | 20.25   |           |         |
| 15                                                          | 75       | 0         |        | 20.36  | 20.31  | 20.28   |           |         |
| Limit                                                       | ERP < 5W |           |        | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 23.10  | 23.12  | 23.05   | 19.44     | 0.0879  |
| 10                                                          | 1        | 25        |        | 23.19  | 23.12  | 23.13   |           |         |
| 10                                                          | 1        | 49        |        | 23.17  | 23.15  | 23.03   |           |         |
| 10                                                          | 25       | 0         |        | 22.31  | 22.25  | 22.14   |           |         |
| 10                                                          | 25       | 12        |        | 22.23  | 22.26  | 22.13   |           |         |
| 10                                                          | 25       | 25        |        | 22.24  | 22.16  | 22.04   |           |         |
| 10                                                          | 50       | 0         |        | 22.18  | 22.23  | 22.11   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 22.41  | 22.56  | 22.31   | 18.81     | 0.0760  |
| 10                                                          | 1        | 25        |        | 22.54  | 22.28  | 22.44   |           |         |
| 10                                                          | 1        | 49        |        | 22.47  | 22.41  | 22.28   |           |         |
| 10                                                          | 25       | 0         |        | 21.30  | 21.32  | 21.16   |           |         |
| 10                                                          | 25       | 12        |        | 21.39  | 21.27  | 21.28   |           |         |
| 10                                                          | 25       | 25        |        | 21.35  | 21.25  | 21.22   |           |         |
| 10                                                          | 50       | 0         |        | 21.30  | 21.26  | 21.27   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 21.36  | 21.43  | 21.28   | 17.79     | 0.0601  |
| 10                                                          | 1        | 25        |        | 21.54  | 21.34  | 21.35   |           |         |
| 10                                                          | 1        | 49        |        | 21.40  | 21.40  | 21.33   |           |         |
| 10                                                          | 25       | 0         |        | 20.31  | 20.36  | 20.20   |           |         |
| 10                                                          | 25       | 12        |        | 20.36  | 20.25  | 20.29   |           |         |
| 10                                                          | 25       | 25        |        | 20.46  | 20.23  | 20.22   |           |         |
| 10                                                          | 50       | 0         |        | 20.27  | 20.25  | 20.24   |           |         |
| Limit                                                       | ERP < 5W |           |        | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 23.15  | 23.13  | 23.04   | 19.45     | 0.0881  |
| 5                                                           | 1        | 12        |        | 23.14  | 23.08  | 23.12   |           |         |
| 5                                                           | 1        | 24        |        | 23.16  | 23.20  | 23.06   |           |         |
| 5                                                           | 12       | 0         |        | 22.24  | 22.32  | 22.09   |           |         |
| 5                                                           | 12       | 7         |        | 22.23  | 22.25  | 22.12   |           |         |
| 5                                                           | 12       | 13        |        | 22.27  | 22.10  | 22.13   |           |         |
| 5                                                           | 25       | 0         |        | 22.20  | 22.20  | 22.20   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 22.40  | 22.51  | 22.30   | 18.76     | 0.0752  |
| 5                                                           | 1        | 12        |        | 22.47  | 22.27  | 22.39   |           |         |
| 5                                                           | 1        | 24        |        | 22.48  | 22.40  | 22.25   |           |         |
| 5                                                           | 12       | 0         |        | 21.37  | 21.28  | 21.14   |           |         |
| 5                                                           | 12       | 7         |        | 21.34  | 21.19  | 21.27   |           |         |
| 5                                                           | 12       | 13        |        | 21.38  | 21.22  | 21.13   |           |         |
| 5                                                           | 25       | 0         |        | 21.36  | 21.21  | 21.23   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 21.40  | 21.43  | 21.26   | 17.70     | 0.0589  |
| 5                                                           | 1        | 12        |        | 21.45  | 21.25  | 21.37   |           |         |
| 5                                                           | 1        | 24        |        | 21.42  | 21.41  | 21.24   |           |         |
| 5                                                           | 12       | 0         |        | 20.36  | 20.30  | 20.16   |           |         |
| 5                                                           | 12       | 7         |        | 20.41  | 20.27  | 20.25   |           |         |
| 5                                                           | 12       | 13        |        | 20.45  | 20.22  | 20.17   |           |         |
| 5                                                           | 25       | 0         |        | 20.26  | 20.25  | 20.28   |           |         |
| Limit                                                       | ERP < 5W |           |        | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK   | 23.18  | 23.17  | 23.07   | 19.45     | 0.0881  |
| 3                                                           | 1        | 8         |        | 23.18  | 23.07  | 23.09   |           |         |
| 3                                                           | 1        | 14        |        | 23.15  | 23.20  | 23.07   |           |         |
| 3                                                           | 8        | 0         |        | 22.26  | 22.25  | 22.14   |           |         |
| 3                                                           | 8        | 4         |        | 22.20  | 22.18  | 22.15   |           |         |
| 3                                                           | 8        | 7         |        | 22.24  | 22.11  | 22.11   |           |         |
| 3                                                           | 15       | 0         |        | 22.25  | 22.20  | 22.20   |           |         |
| 3                                                           | 1        | 0         | 16-QAM | 22.36  | 22.58  | 22.26   | 18.83     | 0.0764  |
| 3                                                           | 1        | 8         |        | 22.53  | 22.29  | 22.37   |           |         |
| 3                                                           | 1        | 14        |        | 22.43  | 22.39  | 22.26   |           |         |
| 3                                                           | 8        | 0         |        | 21.36  | 21.34  | 21.17   |           |         |
| 3                                                           | 8        | 4         |        | 21.35  | 21.19  | 21.28   |           |         |
| 3                                                           | 8        | 7         |        | 21.35  | 21.21  | 21.12   |           |         |
| 3                                                           | 15       | 0         |        | 21.36  | 21.22  | 21.25   |           |         |
| 3                                                           | 1        | 0         | 64-QAM | 22.36  | 22.58  | 22.26   | 18.83     | 0.0764  |
| 3                                                           | 1        | 8         |        | 22.53  | 22.29  | 22.37   |           |         |
| 3                                                           | 1        | 14        |        | 22.43  | 22.39  | 22.26   |           |         |
| 3                                                           | 8        | 0         |        | 21.36  | 21.34  | 21.17   |           |         |
| 3                                                           | 8        | 4         |        | 21.35  | 21.19  | 21.28   |           |         |
| 3                                                           | 8        | 7         |        | 21.35  | 21.21  | 21.12   |           |         |
| 3                                                           | 15       | 0         |        | 21.36  | 21.22  | 21.25   |           |         |
| Limit                                                       | ERP < 5W |           |        | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK   | 23.15  | 23.10  | 23.09   | 19.45     | 0.0881  |
| 1.4                                                         | 1        | 3         |        | 23.18  | 23.17  | 23.16   |           |         |
| 1.4                                                         | 1        | 5         |        | 23.12  | 23.11  | 23.11   |           |         |
| 1.4                                                         | 3        | 0         |        | 23.18  | 23.14  | 23.14   |           |         |
| 1.4                                                         | 3        | 1         |        | 23.20  | 23.19  | 23.18   |           |         |
| 1.4                                                         | 3        | 3         |        | 23.17  | 23.16  | 23.15   |           |         |
| 1.4                                                         | 6        | 0         |        | 22.19  | 22.16  | 22.18   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM | 22.34  | 22.30  | 22.24   | 18.68     | 0.0738  |
| 1.4                                                         | 1        | 3         |        | 22.43  | 22.38  | 22.31   |           |         |
| 1.4                                                         | 1        | 5         |        | 22.34  | 22.30  | 22.22   |           |         |
| 1.4                                                         | 3        | 0         |        | 22.17  | 22.15  | 22.10   |           |         |
| 1.4                                                         | 3        | 1         |        | 22.23  | 22.19  | 22.15   |           |         |
| 1.4                                                         | 3        | 3         |        | 22.17  | 22.12  | 22.10   |           |         |
| 1.4                                                         | 6        | 0         |        | 21.28  | 21.29  | 21.30   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM | 22.34  | 22.30  | 22.24   | 18.68     | 0.0738  |
| 1.4                                                         | 1        | 3         |        | 22.43  | 22.38  | 22.31   |           |         |
| 1.4                                                         | 1        | 5         |        | 22.34  | 22.30  | 22.22   |           |         |
| 1.4                                                         | 3        | 0         |        | 22.17  | 22.15  | 22.10   |           |         |
| 1.4                                                         | 3        | 1         |        | 22.23  | 22.19  | 22.15   |           |         |
| 1.4                                                         | 3        | 3         |        | 22.17  | 22.12  | 22.10   |           |         |
| 1.4                                                         | 6        | 0         |        | 21.28  | 21.29  | 21.30   |           |         |
| Limit                                                       | ERP < 5W |           |        | Result |        |         | Pass      |         |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                          | 1         | 0         | QPSK   | 23.55  | 23.70  | 23.77   | 21.22      | 0.1324   |
| 20                                                          | 1         | 49        |        | 23.69  | 23.69  | 23.68   |            |          |
| 20                                                          | 1         | 99        |        | 23.92  | 23.72  | 23.87   |            |          |
| 20                                                          | 50        | 0         |        | 22.63  | 22.76  | 22.78   |            |          |
| 20                                                          | 50        | 24        |        | 22.66  | 22.77  | 22.79   |            |          |
| 20                                                          | 50        | 50        |        | 22.64  | 22.72  | 22.71   |            |          |
| 20                                                          | 100       | 0         |        | 22.67  | 22.70  | 22.72   |            |          |
| 20                                                          | 1         | 0         | 16-QAM | 22.68  | 22.87  | 22.87   | 20.26      | 0.1062   |
| 20                                                          | 1         | 49        |        | 22.89  | 22.87  | 22.80   |            |          |
| 20                                                          | 1         | 99        |        | 22.88  | 22.86  | 22.96   |            |          |
| 20                                                          | 50        | 0         |        | 21.81  | 21.86  | 21.89   |            |          |
| 20                                                          | 50        | 24        |        | 21.83  | 21.89  | 21.89   |            |          |
| 20                                                          | 50        | 50        |        | 21.85  | 21.88  | 21.91   |            |          |
| 20                                                          | 100       | 0         |        | 21.80  | 21.85  | 21.87   |            |          |
| 20                                                          | 1         | 0         | 64-QAM | 21.50  | 21.60  | 21.69   | 19.06      | 0.0805   |
| 20                                                          | 1         | 49        |        | 21.61  | 21.64  | 21.66   |            |          |
| 20                                                          | 1         | 99        |        | 21.61  | 21.68  | 21.76   |            |          |
| 20                                                          | 50        | 0         |        | 20.78  | 20.87  | 20.87   |            |          |
| 20                                                          | 50        | 24        |        | 20.79  | 20.87  | 20.91   |            |          |
| 20                                                          | 50        | 50        |        | 20.80  | 20.90  | 20.88   |            |          |
| 20                                                          | 100       | 0         |        | 20.81  | 20.87  | 20.95   |            |          |
| Limit                                                       | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                          | 1         | 0         | QPSK   | 23.47  | 23.69  | 23.75   | 21.18      | 0.1312   |
| 15                                                          | 1         | 37        |        | 23.67  | 23.65  | 23.58   |            |          |
| 15                                                          | 1         | 74        |        | 23.88  | 23.71  | 23.84   |            |          |
| 15                                                          | 36        | 0         |        | 22.58  | 22.69  | 22.76   |            |          |
| 15                                                          | 36        | 20        |        | 22.59  | 22.72  | 22.69   |            |          |
| 15                                                          | 36        | 39        |        | 22.55  | 22.63  | 22.65   |            |          |
| 15                                                          | 75        | 0         |        | 22.67  | 22.64  | 22.69   |            |          |
| 15                                                          | 1         | 0         | 16-QAM | 22.58  | 22.82  | 22.80   | 20.20      | 0.1047   |
| 15                                                          | 1         | 37        |        | 22.86  | 22.85  | 22.78   |            |          |
| 15                                                          | 1         | 74        |        | 22.85  | 22.77  | 22.90   |            |          |
| 15                                                          | 36        | 0         |        | 21.78  | 21.81  | 21.83   |            |          |
| 15                                                          | 36        | 20        |        | 21.77  | 21.87  | 21.83   |            |          |
| 15                                                          | 36        | 39        |        | 21.84  | 21.85  | 21.85   |            |          |
| 15                                                          | 75        | 0         |        | 21.73  | 21.78  | 21.87   |            |          |
| 15                                                          | 1         | 0         | 64-QAM | 21.43  | 21.57  | 21.68   | 19.03      | 0.0800   |
| 15                                                          | 1         | 37        |        | 21.54  | 21.56  | 21.58   |            |          |
| 15                                                          | 1         | 74        |        | 21.61  | 21.60  | 21.73   |            |          |
| 15                                                          | 36        | 0         |        | 20.68  | 20.82  | 20.81   |            |          |
| 15                                                          | 36        | 20        |        | 20.74  | 20.85  | 20.87   |            |          |
| 15                                                          | 36        | 39        |        | 20.75  | 20.84  | 20.82   |            |          |
| 15                                                          | 75        | 0         |        | 20.80  | 20.78  | 20.92   |            |          |
| Limit                                                       | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                          | 1         | 0         | QPSK   | 23.49  | 23.69  | 23.67   | 21.18      | 0.1312   |
| 10                                                          | 1         | 25        |        | 23.65  | 23.66  | 23.63   |            |          |
| 10                                                          | 1         | 49        |        | 23.88  | 23.68  | 23.78   |            |          |
| 10                                                          | 25        | 0         |        | 22.54  | 22.73  | 22.73   |            |          |
| 10                                                          | 25        | 12        |        | 22.56  | 22.70  | 22.78   |            |          |
| 10                                                          | 25        | 25        |        | 22.63  | 22.67  | 22.63   |            |          |
| 10                                                          | 50        | 0         |        | 22.67  | 22.65  | 22.69   |            |          |
| 10                                                          | 1         | 0         | 16-QAM | 22.64  | 22.82  | 22.80   | 20.19      | 0.1045   |
| 10                                                          | 1         | 25        |        | 22.87  | 22.86  | 22.79   |            |          |
| 10                                                          | 1         | 49        |        | 22.80  | 22.77  | 22.89   |            |          |
| 10                                                          | 25        | 0         |        | 21.78  | 21.77  | 21.83   |            |          |
| 10                                                          | 25        | 12        |        | 21.83  | 21.85  | 21.88   |            |          |
| 10                                                          | 25        | 25        |        | 21.76  | 21.79  | 21.89   |            |          |
| 10                                                          | 50        | 0         |        | 21.75  | 21.75  | 21.82   |            |          |
| 10                                                          | 1         | 0         | 64-QAM | 21.44  | 21.55  | 21.61   | 19.03      | 0.0800   |
| 10                                                          | 1         | 25        |        | 21.61  | 21.57  | 21.56   |            |          |
| 10                                                          | 1         | 49        |        | 21.59  | 21.59  | 21.73   |            |          |
| 10                                                          | 25        | 0         |        | 20.70  | 20.78  | 20.78   |            |          |
| 10                                                          | 25        | 12        |        | 20.79  | 20.79  | 20.91   |            |          |
| 10                                                          | 25        | 25        |        | 20.74  | 20.81  | 20.78   |            |          |
| 10                                                          | 50        | 0         |        | 20.74  | 20.79  | 20.91   |            |          |
| Limit                                                       | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                           | 1         | 0         | QPSK   | 23.46  | 23.64  | 23.71   | 21.18      | 0.1312   |
| 5                                                           | 1         | 12        |        | 23.65  | 23.67  | 23.64   |            |          |
| 5                                                           | 1         | 24        |        | 23.88  | 23.64  | 23.77   |            |          |
| 5                                                           | 12        | 0         |        | 22.61  | 22.70  | 22.76   |            |          |
| 5                                                           | 12        | 7         |        | 22.65  | 22.72  | 22.72   |            |          |
| 5                                                           | 12        | 13        |        | 22.61  | 22.71  | 22.66   |            |          |
| 5                                                           | 25        | 0         |        | 22.66  | 22.67  | 22.62   |            |          |
| 5                                                           | 1         | 0         | 16-QAM | 22.58  | 22.85  | 22.77   | 20.26      | 0.1062   |
| 5                                                           | 1         | 12        |        | 22.79  | 22.84  | 22.70   |            |          |
| 5                                                           | 1         | 24        |        | 22.83  | 22.78  | 22.96   |            |          |
| 5                                                           | 12        | 0         |        | 21.73  | 21.84  | 21.89   |            |          |
| 5                                                           | 12        | 7         |        | 21.76  | 21.88  | 21.87   |            |          |
| 5                                                           | 12        | 13        |        | 21.83  | 21.87  | 21.81   |            |          |
| 5                                                           | 25        | 0         |        | 21.75  | 21.81  | 21.84   |            |          |
| 5                                                           | 1         | 0         | 64-QAM | 21.40  | 21.52  | 21.64   | 19.00      | 0.0794   |
| 5                                                           | 1         | 12        |        | 21.56  | 21.63  | 21.59   |            |          |
| 5                                                           | 1         | 24        |        | 21.55  | 21.65  | 21.70   |            |          |
| 5                                                           | 12        | 0         |        | 20.69  | 20.81  | 20.83   |            |          |
| 5                                                           | 12        | 7         |        | 20.75  | 20.81  | 20.91   |            |          |
| 5                                                           | 12        | 13        |        | 20.70  | 20.82  | 20.86   |            |          |
| 5                                                           | 25        | 0         |        | 20.76  | 20.82  | 20.94   |            |          |
| Limit                                                       | EIRP < 2W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                         | 1         | 0         | QPSK   | 23.14  | 23.20  | 23.14   | 26.11      | 0.4083   |
| 20                                                         | 1         | 49        |        | 23.17  | 23.21  | 23.16   |            |          |
| 20                                                         | 1         | 99        |        | 23.01  | 23.05  | 22.98   |            |          |
| 20                                                         | 50        | 0         |        | 22.10  | 22.14  | 22.08   |            |          |
| 20                                                         | 50        | 24        |        | 22.03  | 22.11  | 22.03   |            |          |
| 20                                                         | 50        | 50        |        | 22.02  | 22.07  | 22.01   |            |          |
| 20                                                         | 100       | 0         |        | 22.06  | 22.11  | 22.04   |            |          |
| 20                                                         | 1         | 0         | 16-QAM | 22.42  | 22.47  | 22.52   | 25.43      | 0.3491   |
| 20                                                         | 1         | 49        |        | 22.53  | 22.43  | 22.44   |            |          |
| 20                                                         | 1         | 99        |        | 22.37  | 22.45  | 22.26   |            |          |
| 20                                                         | 50        | 0         |        | 21.20  | 21.22  | 21.19   |            |          |
| 20                                                         | 50        | 24        |        | 21.19  | 21.18  | 21.13   |            |          |
| 20                                                         | 50        | 50        |        | 21.14  | 21.18  | 21.12   |            |          |
| 20                                                         | 100       | 0         |        | 21.17  | 21.19  | 21.16   |            |          |
| 20                                                         | 1         | 0         | 64-QAM | 21.38  | 21.47  | 21.49   | 24.42      | 0.2767   |
| 20                                                         | 1         | 49        |        | 21.52  | 21.42  | 21.42   |            |          |
| 20                                                         | 1         | 99        |        | 21.36  | 21.42  | 21.32   |            |          |
| 20                                                         | 50        | 0         |        | 20.23  | 20.23  | 20.22   |            |          |
| 20                                                         | 50        | 24        |        | 20.21  | 20.20  | 20.19   |            |          |
| 20                                                         | 50        | 50        |        | 20.22  | 20.20  | 20.16   |            |          |
| 20                                                         | 100       | 0         |        | 20.20  | 20.21  | 20.19   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                         | 1         | 0         | QPSK   | 23.04  | 23.18  | 23.07   | 26.10      | 0.4074   |
| 15                                                         | 1         | 37        |        | 23.12  | 23.20  | 23.12   |            |          |
| 15                                                         | 1         | 74        |        | 22.95  | 22.97  | 22.94   |            |          |
| 15                                                         | 36        | 0         |        | 22.10  | 22.04  | 21.99   |            |          |
| 15                                                         | 36        | 20        |        | 21.95  | 22.06  | 21.97   |            |          |
| 15                                                         | 36        | 39        |        | 22.01  | 22.03  | 21.97   |            |          |
| 15                                                         | 75        | 0         |        | 21.96  | 22.01  | 22.02   |            |          |
| 15                                                         | 1         | 0         | 16-QAM | 22.38  | 22.41  | 22.47   | 25.40      | 0.3467   |
| 15                                                         | 1         | 37        |        | 22.50  | 22.34  | 22.38   |            |          |
| 15                                                         | 1         | 74        |        | 22.33  | 22.43  | 22.16   |            |          |
| 15                                                         | 36        | 0         |        | 21.16  | 21.22  | 21.09   |            |          |
| 15                                                         | 36        | 20        |        | 21.17  | 21.17  | 21.09   |            |          |
| 15                                                         | 36        | 39        |        | 21.11  | 21.10  | 21.06   |            |          |
| 15                                                         | 75        | 0         |        | 21.17  | 21.15  | 21.10   |            |          |
| 15                                                         | 1         | 0         | 64-QAM | 21.36  | 21.47  | 21.48   | 24.38      | 0.2742   |
| 15                                                         | 1         | 37        |        | 21.46  | 21.38  | 21.33   |            |          |
| 15                                                         | 1         | 74        |        | 21.28  | 21.41  | 21.23   |            |          |
| 15                                                         | 36        | 0         |        | 20.19  | 20.22  | 20.15   |            |          |
| 15                                                         | 36        | 20        |        | 20.12  | 20.18  | 20.18   |            |          |
| 15                                                         | 36        | 39        |        | 20.22  | 20.13  | 20.11   |            |          |
| 15                                                         | 75        | 0         |        | 20.16  | 20.12  | 20.09   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                         | 1         | 0         | QPSK   | 23.10  | 23.20  | 23.10   | 26.10      | 0.4074   |
| 10                                                         | 1         | 25        |        | 23.07  | 23.20  | 23.06   |            |          |
| 10                                                         | 1         | 49        |        | 23.01  | 23.02  | 22.89   |            |          |
| 10                                                         | 25        | 0         |        | 22.03  | 22.13  | 22.08   |            |          |
| 10                                                         | 25        | 12        |        | 21.93  | 22.07  | 21.99   |            |          |
| 10                                                         | 25        | 25        |        | 22.01  | 22.04  | 21.98   |            |          |
| 10                                                         | 50        | 0         |        | 22.01  | 22.08  | 22.01   |            |          |
| 10                                                         | 1         | 0         | 16-QAM | 22.37  | 22.38  | 22.43   | 25.40      | 0.3467   |
| 10                                                         | 1         | 25        |        | 22.50  | 22.40  | 22.42   |            |          |
| 10                                                         | 1         | 49        |        | 22.32  | 22.38  | 22.20   |            |          |
| 10                                                         | 25        | 0         |        | 21.14  | 21.18  | 21.15   |            |          |
| 10                                                         | 25        | 12        |        | 21.16  | 21.08  | 21.09   |            |          |
| 10                                                         | 25        | 25        |        | 21.04  | 21.10  | 21.05   |            |          |
| 10                                                         | 50        | 0         |        | 21.11  | 21.19  | 21.13   |            |          |
| 10                                                         | 1         | 0         | 64-QAM | 21.38  | 21.38  | 21.43   | 24.39      | 0.2748   |
| 10                                                         | 1         | 25        |        | 21.49  | 21.41  | 21.41   |            |          |
| 10                                                         | 1         | 49        |        | 21.26  | 21.39  | 21.31   |            |          |
| 10                                                         | 25        | 0         |        | 20.17  | 20.20  | 20.12   |            |          |
| 10                                                         | 25        | 12        |        | 20.16  | 20.16  | 20.15   |            |          |
| 10                                                         | 25        | 25        |        | 20.21  | 20.18  | 20.10   |            |          |
| 10                                                         | 50        | 0         |        | 20.19  | 20.21  | 20.17   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                          | 1         | 0         | QPSK   | 23.04  | 23.18  | 23.07   | 26.08      | 0.4055   |
| 5                                                          | 1         | 12        |        | 23.07  | 23.13  | 23.12   |            |          |
| 5                                                          | 1         | 24        |        | 22.99  | 22.96  | 22.88   |            |          |
| 5                                                          | 12        | 0         |        | 22.08  | 22.11  | 22.02   |            |          |
| 5                                                          | 12        | 7         |        | 21.99  | 22.06  | 21.97   |            |          |
| 5                                                          | 12        | 13        |        | 21.92  | 22.07  | 22.00   |            |          |
| 5                                                          | 25        | 0         |        | 22.02  | 22.08  | 22.04   |            |          |
| 5                                                          | 1         | 0         | 16-QAM | 22.42  | 22.42  | 22.45   | 25.43      | 0.3491   |
| 5                                                          | 1         | 12        |        | 22.53  | 22.36  | 22.39   |            |          |
| 5                                                          | 1         | 24        |        | 22.30  | 22.39  | 22.25   |            |          |
| 5                                                          | 12        | 0         |        | 21.10  | 21.18  | 21.18   |            |          |
| 5                                                          | 12        | 7         |        | 21.11  | 21.14  | 21.06   |            |          |
| 5                                                          | 12        | 13        |        | 21.13  | 21.14  | 21.05   |            |          |
| 5                                                          | 25        | 0         |        | 21.07  | 21.15  | 21.06   |            |          |
| 5                                                          | 1         | 0         | 64-QAM | 21.31  | 21.38  | 21.40   | 24.34      | 0.2716   |
| 5                                                          | 1         | 12        |        | 21.44  | 21.32  | 21.41   |            |          |
| 5                                                          | 1         | 24        |        | 21.32  | 21.40  | 21.27   |            |          |
| 5                                                          | 12        | 0         |        | 20.15  | 20.18  | 20.20   |            |          |
| 5                                                          | 12        | 7         |        | 20.15  | 20.12  | 20.14   |            |          |
| 5                                                          | 12        | 13        |        | 20.19  | 20.18  | 20.09   |            |          |
| 5                                                          | 25        | 0         |        | 20.17  | 20.20  | 20.12   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3                                                          | 1         | 0         | QPSK   | 23.09  | 23.16  | 23.07   | 26.06      | 0.4036   |
| 3                                                          | 1         | 8         |        | 23.12  | 23.13  | 23.14   |            |          |
| 3                                                          | 1         | 14        |        | 22.99  | 23.05  | 22.92   |            |          |
| 3                                                          | 8         | 0         |        | 22.02  | 22.10  | 22.01   |            |          |
| 3                                                          | 8         | 4         |        | 22.02  | 22.01  | 22.00   |            |          |
| 3                                                          | 8         | 7         |        | 21.95  | 21.98  | 21.93   |            |          |
| 3                                                          | 15        | 0         |        | 22.02  | 22.10  | 22.02   |            |          |
| 3                                                          | 1         | 0         | 16-QAM | 22.37  | 22.38  | 22.50   | 25.40      | 0.3467   |
| 3                                                          | 1         | 8         |        | 22.49  | 22.37  | 22.43   |            |          |
| 3                                                          | 1         | 14        |        | 22.27  | 22.45  | 22.16   |            |          |
| 3                                                          | 8         | 0         |        | 21.20  | 21.17  | 21.18   |            |          |
| 3                                                          | 8         | 4         |        | 21.10  | 21.12  | 21.09   |            |          |
| 3                                                          | 8         | 7         |        | 21.06  | 21.15  | 21.05   |            |          |
| 3                                                          | 15        | 0         |        | 21.15  | 21.18  | 21.08   |            |          |
| 3                                                          | 1         | 0         | 64-QAM | 21.34  | 21.40  | 21.39   | 24.32      | 0.2704   |
| 3                                                          | 1         | 8         |        | 21.42  | 21.37  | 21.32   |            |          |
| 3                                                          | 1         | 14        |        | 21.26  | 21.36  | 21.30   |            |          |
| 3                                                          | 8         | 0         |        | 20.21  | 20.22  | 20.18   |            |          |
| 3                                                          | 8         | 4         |        | 20.18  | 20.15  | 20.15   |            |          |
| 3                                                          | 8         | 7         |        | 20.22  | 20.20  | 20.07   |            |          |
| 3                                                          | 15        | 0         |        | 20.14  | 20.17  | 20.13   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 2.9 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4                                                        | 1         | 0         | QPSK   | 23.01  | 23.07  | 22.93   | 26.08      | 0.4055   |
| 1.4                                                        | 1         | 3         |        | 23.11  | 23.15  | 23.05   |            |          |
| 1.4                                                        | 1         | 5         |        | 23.01  | 23.02  | 22.91   |            |          |
| 1.4                                                        | 3         | 0         |        | 23.08  | 23.10  | 23.00   |            |          |
| 1.4                                                        | 3         | 1         |        | 23.13  | 23.18  | 23.07   |            |          |
| 1.4                                                        | 3         | 3         |        | 23.08  | 23.11  | 23.03   |            |          |
| 1.4                                                        | 6         | 0         |        | 22.07  | 22.10  | 22.00   |            |          |
| 1.4                                                        | 1         | 0         | 16-QAM | 22.27  | 22.27  | 22.19   | 25.25      | 0.3350   |
| 1.4                                                        | 1         | 3         |        | 22.35  | 22.35  | 22.30   |            |          |
| 1.4                                                        | 1         | 5         |        | 22.26  | 22.27  | 22.16   |            |          |
| 1.4                                                        | 3         | 0         |        | 22.08  | 22.11  | 22.02   |            |          |
| 1.4                                                        | 3         | 1         |        | 22.13  | 22.16  | 22.07   |            |          |
| 1.4                                                        | 3         | 3         |        | 22.06  | 22.10  | 22.02   |            |          |
| 1.4                                                        | 6         | 0         |        | 21.22  | 21.25  | 21.19   |            |          |
| 1.4                                                        | 1         | 0         | 64-QAM | 21.26  | 21.24  | 21.19   | 24.22      | 0.2642   |
| 1.4                                                        | 1         | 3         |        | 21.32  | 21.32  | 21.30   |            |          |
| 1.4                                                        | 1         | 5         |        | 21.25  | 21.24  | 21.21   |            |          |
| 1.4                                                        | 3         | 0         |        | 21.25  | 21.27  | 21.24   |            |          |
| 1.4                                                        | 3         | 1         |        | 21.29  | 21.31  | 21.27   |            |          |
| 1.4                                                        | 3         | 3         |        | 21.25  | 21.24  | 21.23   |            |          |
| 1.4                                                        | 6         | 0         |        | 20.17  | 20.21  | 20.14   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.3 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 20                                                          | 1        | 0         | QPSK   | 22.83  | 22.86  | 22.85   | 19.40     | 0.0871  |
| 20                                                          | 1        | 49        |        | 22.92  | 22.99  | 23.05   |           |         |
| 20                                                          | 1        | 99        |        | 22.93  | 23.10  | 23.15   |           |         |
| 20                                                          | 50       | 0         |        | 21.94  | 21.95  | 21.92   |           |         |
| 20                                                          | 50       | 24        |        | 21.93  | 21.88  | 22.06   |           |         |
| 20                                                          | 50       | 50        |        | 21.98  | 21.98  | 22.09   |           |         |
| 20                                                          | 100      | 0         |        | 22.03  | 21.93  | 22.02   |           |         |
| 20                                                          | 1        | 0         | 16-QAM | 22.12  | 22.24  | 22.18   | 18.72     | 0.0745  |
| 20                                                          | 1        | 49        |        | 22.34  | 22.44  | 22.39   |           |         |
| 20                                                          | 1        | 99        |        | 22.29  | 22.47  | 22.39   |           |         |
| 20                                                          | 50       | 0         |        | 21.04  | 21.15  | 20.98   |           |         |
| 20                                                          | 50       | 24        |        | 21.03  | 21.12  | 21.04   |           |         |
| 20                                                          | 50       | 50        |        | 21.06  | 21.20  | 21.35   |           |         |
| 20                                                          | 100      | 0         |        | 21.11  | 21.08  | 21.29   |           |         |
| 20                                                          | 1        | 0         | 64-QAM | 21.06  | 21.24  | 21.27   | 17.79     | 0.0601  |
| 20                                                          | 1        | 49        |        | 21.31  | 21.31  | 21.50   |           |         |
| 20                                                          | 1        | 99        |        | 21.30  | 21.35  | 21.54   |           |         |
| 20                                                          | 50       | 0         |        | 20.10  | 20.03  | 20.20   |           |         |
| 20                                                          | 50       | 24        |        | 20.06  | 20.08  | 20.36   |           |         |
| 20                                                          | 50       | 50        |        | 20.10  | 20.17  | 20.37   |           |         |
| 20                                                          | 100      | 0         |        | 20.16  | 20.12  | 20.32   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.3 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                          | 1        | 0         | QPSK   | 22.75  | 22.81  | 22.82   | 19.31     | 0.0853  |
| 15                                                          | 1        | 37        |        | 22.88  | 22.97  | 22.99   |           |         |
| 15                                                          | 1        | 74        |        | 22.84  | 23.04  | 23.06   |           |         |
| 15                                                          | 36       | 0         |        | 21.91  | 21.92  | 21.92   |           |         |
| 15                                                          | 36       | 20        |        | 21.89  | 21.79  | 22.02   |           |         |
| 15                                                          | 36       | 39        |        | 21.91  | 21.96  | 22.05   |           |         |
| 15                                                          | 75       | 0         |        | 21.99  | 21.93  | 21.95   |           |         |
| 15                                                          | 1        | 0         | 16-QAM | 22.09  | 22.21  | 22.15   | 18.66     | 0.0735  |
| 15                                                          | 1        | 37        |        | 22.31  | 22.37  | 22.37   |           |         |
| 15                                                          | 1        | 74        |        | 22.25  | 22.41  | 22.32   |           |         |
| 15                                                          | 36       | 0         |        | 21.02  | 21.11  | 20.97   |           |         |
| 15                                                          | 36       | 20        |        | 20.99  | 21.07  | 20.99   |           |         |
| 15                                                          | 36       | 39        |        | 20.97  | 21.17  | 21.27   |           |         |
| 15                                                          | 75       | 0         |        | 21.09  | 21.01  | 21.29   |           |         |
| 15                                                          | 1        | 0         | 64-QAM | 21.06  | 21.17  | 21.19   | 17.79     | 0.0601  |
| 15                                                          | 1        | 37        |        | 21.22  | 21.22  | 21.40   |           |         |
| 15                                                          | 1        | 74        |        | 21.24  | 21.31  | 21.54   |           |         |
| 15                                                          | 36       | 0         |        | 20.01  | 19.97  | 20.10   |           |         |
| 15                                                          | 36       | 20        |        | 19.98  | 20.06  | 20.33   |           |         |
| 15                                                          | 36       | 39        |        | 20.00  | 20.09  | 20.28   |           |         |
| 15                                                          | 75       | 0         |        | 20.13  | 20.12  | 20.30   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.3 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 22.79  | 22.84  | 22.81   | 19.35     | 0.0861  |
| 10                                                          | 1        | 25        |        | 22.88  | 22.92  | 22.98   |           |         |
| 10                                                          | 1        | 49        |        | 22.84  | 23.09  | 23.10   |           |         |
| 10                                                          | 25       | 0         |        | 21.84  | 21.90  | 21.90   |           |         |
| 10                                                          | 25       | 12        |        | 21.90  | 21.79  | 22.05   |           |         |
| 10                                                          | 25       | 25        |        | 21.91  | 21.95  | 22.05   |           |         |
| 10                                                          | 50       | 0         |        | 22.00  | 21.84  | 21.92   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 22.06  | 22.18  | 22.08   | 18.64     | 0.0731  |
| 10                                                          | 1        | 25        |        | 22.34  | 22.38  | 22.32   |           |         |
| 10                                                          | 1        | 49        |        | 22.22  | 22.39  | 22.29   |           |         |
| 10                                                          | 25       | 0         |        | 20.95  | 21.15  | 20.96   |           |         |
| 10                                                          | 25       | 12        |        | 20.93  | 21.07  | 21.02   |           |         |
| 10                                                          | 25       | 25        |        | 20.97  | 21.18  | 21.33   |           |         |
| 10                                                          | 50       | 0         |        | 21.11  | 21.08  | 21.27   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 20.97  | 21.22  | 21.23   | 17.75     | 0.0596  |
| 10                                                          | 1        | 25        |        | 21.25  | 21.23  | 21.40   |           |         |
| 10                                                          | 1        | 49        |        | 21.30  | 21.32  | 21.50   |           |         |
| 10                                                          | 25       | 0         |        | 20.03  | 19.97  | 20.19   |           |         |
| 10                                                          | 25       | 12        |        | 19.99  | 20.02  | 20.33   |           |         |
| 10                                                          | 25       | 25        |        | 20.05  | 20.13  | 20.35   |           |         |
| 10                                                          | 50       | 0         |        | 20.08  | 20.07  | 20.29   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.3 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.82  | 22.84  | 22.82   | 19.33     | 0.0857  |
| 5                                                           | 1        | 12        |        | 22.90  | 22.92  | 23.01   |           |         |
| 5                                                           | 1        | 24        |        | 22.87  | 23.08  | 23.05   |           |         |
| 5                                                           | 12       | 0         |        | 21.94  | 21.92  | 21.83   |           |         |
| 5                                                           | 12       | 7         |        | 21.84  | 21.78  | 22.05   |           |         |
| 5                                                           | 12       | 13        |        | 21.91  | 21.90  | 22.05   |           |         |
| 5                                                           | 25       | 0         |        | 22.00  | 21.88  | 21.94   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 22.09  | 22.17  | 22.11   | 18.71     | 0.0743  |
| 5                                                           | 1        | 12        |        | 22.30  | 22.39  | 22.33   |           |         |
| 5                                                           | 1        | 24        |        | 22.21  | 22.46  | 22.29   |           |         |
| 5                                                           | 12       | 0         |        | 20.98  | 21.14  | 20.97   |           |         |
| 5                                                           | 12       | 7         |        | 20.96  | 21.04  | 20.98   |           |         |
| 5                                                           | 12       | 13        |        | 21.06  | 21.20  | 21.25   |           |         |
| 5                                                           | 25       | 0         |        | 21.01  | 21.07  | 21.22   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 20.96  | 21.21  | 21.21   | 17.75     | 0.0596  |
| 5                                                           | 1        | 12        |        | 21.28  | 21.22  | 21.41   |           |         |
| 5                                                           | 1        | 24        |        | 21.22  | 21.27  | 21.50   |           |         |
| 5                                                           | 12       | 0         |        | 20.07  | 20.03  | 20.11   |           |         |
| 5                                                           | 12       | 7         |        | 19.99  | 20.05  | 20.31   |           |         |
| 5                                                           | 12       | 13        |        | 20.09  | 20.15  | 20.30   |           |         |
| 5                                                           | 25       | 0         |        | 20.16  | 20.07  | 20.32   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



<Diversity Antenna>

| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                         | 1         | 0         | QPSK   | 21.56  | 21.67  | 21.71   | 20.01      | 0.1002   |
| 20                                                         | 1         | 49        |        | 21.65  | 21.64  | 21.68   |            |          |
| 20                                                         | 1         | 99        |        | 21.60  | 21.60  | 21.69   |            |          |
| 20                                                         | 50        | 0         |        | 20.67  | 20.70  | 20.71   |            |          |
| 20                                                         | 50        | 24        |        | 20.67  | 20.71  | 20.79   |            |          |
| 20                                                         | 50        | 50        |        | 20.71  | 20.64  | 20.73   |            |          |
| 20                                                         | 100       | 0         |        | 20.63  | 20.67  | 20.76   |            |          |
| 20                                                         | 1         | 0         | 16-QAM | 20.83  | 21.00  | 20.94   | 19.30      | 0.0851   |
| 20                                                         | 1         | 49        |        | 20.98  | 20.98  | 20.91   |            |          |
| 20                                                         | 1         | 99        |        | 21.00  | 20.82  | 21.00   |            |          |
| 20                                                         | 50        | 0         |        | 19.79  | 19.85  | 19.78   |            |          |
| 20                                                         | 50        | 24        |        | 19.81  | 19.81  | 19.88   |            |          |
| 20                                                         | 50        | 50        |        | 19.84  | 19.73  | 19.83   |            |          |
| 20                                                         | 100       | 0         |        | 19.75  | 19.79  | 19.82   |            |          |
| 20                                                         | 1         | 0         | 64-QAM | 19.81  | 19.99  | 19.94   | 18.30      | 0.0676   |
| 20                                                         | 1         | 49        |        | 19.94  | 19.98  | 19.88   |            |          |
| 20                                                         | 1         | 99        |        | 20.00  | 19.80  | 20.00   |            |          |
| 20                                                         | 50        | 0         |        | 18.82  | 18.86  | 18.80   |            |          |
| 20                                                         | 50        | 24        |        | 18.83  | 18.84  | 18.91   |            |          |
| 20                                                         | 50        | 50        |        | 18.87  | 18.76  | 18.84   |            |          |
| 20                                                         | 100       | 0         |        | 18.79  | 18.81  | 18.88   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                         | 1         | 0         | QPSK   | 21.54  | 21.71  | 21.70   | 20.01      | 0.1002   |
| 15                                                         | 1         | 37        |        | 21.61  | 21.59  | 21.67   |            |          |
| 15                                                         | 1         | 74        |        | 21.57  | 21.63  | 21.70   |            |          |
| 15                                                         | 36        | 0         |        | 20.64  | 20.71  | 20.77   |            |          |
| 15                                                         | 36        | 20        |        | 20.69  | 20.68  | 20.77   |            |          |
| 15                                                         | 36        | 39        |        | 20.62  | 20.63  | 20.70   |            |          |
| 15                                                         | 75        | 0         |        | 20.64  | 20.66  | 20.74   |            |          |
| 15                                                         | 1         | 0         | 16-QAM | 20.82  | 21.00  | 20.96   | 19.30      | 0.0851   |
| 15                                                         | 1         | 37        |        | 20.94  | 20.98  | 20.93   |            |          |
| 15                                                         | 1         | 74        |        | 20.96  | 20.86  | 21.00   |            |          |
| 15                                                         | 36        | 0         |        | 19.75  | 19.84  | 19.81   |            |          |
| 15                                                         | 36        | 20        |        | 19.79  | 19.84  | 19.85   |            |          |
| 15                                                         | 36        | 39        |        | 19.77  | 19.75  | 19.81   |            |          |
| 15                                                         | 75        | 0         |        | 19.77  | 19.80  | 19.83   |            |          |
| 15                                                         | 1         | 0         | 64-QAM | 19.80  | 20.00  | 19.96   | 18.30      | 0.0676   |
| 15                                                         | 1         | 37        |        | 19.91  | 19.97  | 19.92   |            |          |
| 15                                                         | 1         | 74        |        | 19.91  | 19.85  | 20.00   |            |          |
| 15                                                         | 36        | 0         |        | 18.84  | 18.92  | 18.89   |            |          |
| 15                                                         | 36        | 20        |        | 18.87  | 18.90  | 18.94   |            |          |
| 15                                                         | 36        | 39        |        | 18.82  | 18.81  | 18.90   |            |          |
| 15                                                         | 75        | 0         |        | 18.80  | 18.85  | 18.87   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                         | 1         | 0         | QPSK   | 21.56  | 21.60  | 21.70   | 20.00      | 0.1000   |
| 10                                                         | 1         | 25        |        | 21.61  | 21.64  | 21.64   |            |          |
| 10                                                         | 1         | 49        |        | 21.51  | 21.51  | 21.59   |            |          |
| 10                                                         | 25        | 0         |        | 20.65  | 20.69  | 20.65   |            |          |
| 10                                                         | 25        | 12        |        | 20.66  | 20.65  | 20.79   |            |          |
| 10                                                         | 25        | 25        |        | 20.61  | 20.58  | 20.73   |            |          |
| 10                                                         | 50        | 0         |        | 20.62  | 20.58  | 20.73   |            |          |
| 10                                                         | 1         | 0         | 16-QAM | 20.80  | 20.95  | 20.86   | 19.26      | 0.0843   |
| 10                                                         | 1         | 25        |        | 20.88  | 20.93  | 20.82   |            |          |
| 10                                                         | 1         | 49        |        | 20.96  | 20.74  | 20.96   |            |          |
| 10                                                         | 25        | 0         |        | 19.69  | 19.83  | 19.77   |            |          |
| 10                                                         | 25        | 12        |        | 19.78  | 19.78  | 19.86   |            |          |
| 10                                                         | 25        | 25        |        | 19.84  | 19.68  | 19.81   |            |          |
| 10                                                         | 50        | 0         |        | 19.69  | 19.78  | 19.78   |            |          |
| 10                                                         | 1         | 0         | 64-QAM | 19.81  | 19.93  | 19.86   | 18.29      | 0.0675   |
| 10                                                         | 1         | 25        |        | 19.86  | 19.94  | 19.83   |            |          |
| 10                                                         | 1         | 49        |        | 19.99  | 19.74  | 19.96   |            |          |
| 10                                                         | 25        | 0         |        | 18.74  | 18.86  | 18.77   |            |          |
| 10                                                         | 25        | 12        |        | 18.83  | 18.74  | 18.89   |            |          |
| 10                                                         | 25        | 25        |        | 18.84  | 18.70  | 18.84   |            |          |
| 10                                                         | 50        | 0         |        | 18.74  | 18.80  | 18.81   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                          | 1         | 0         | QPSK   | 21.46  | 21.62  | 21.63   | 19.98      | 0.0995   |
| 5                                                          | 1         | 12        |        | 21.60  | 21.54  | 21.68   |            |          |
| 5                                                          | 1         | 24        |        | 21.51  | 21.52  | 21.61   |            |          |
| 5                                                          | 12        | 0         |        | 20.61  | 20.63  | 20.71   |            |          |
| 5                                                          | 12        | 7         |        | 20.61  | 20.61  | 20.69   |            |          |
| 5                                                          | 12        | 13        |        | 20.65  | 20.55  | 20.68   |            |          |
| 5                                                          | 25        | 0         |        | 20.59  | 20.58  | 20.70   |            |          |
| 5                                                          | 1         | 0         | 16-QAM | 20.83  | 20.98  | 20.87   | 19.29      | 0.0849   |
| 5                                                          | 1         | 12        |        | 20.95  | 20.94  | 20.82   |            |          |
| 5                                                          | 1         | 24        |        | 20.98  | 20.77  | 20.99   |            |          |
| 5                                                          | 12        | 0         |        | 19.74  | 19.76  | 19.69   |            |          |
| 5                                                          | 12        | 7         |        | 19.77  | 19.77  | 19.79   |            |          |
| 5                                                          | 12        | 13        |        | 19.79  | 19.70  | 19.79   |            |          |
| 5                                                          | 25        | 0         |        | 19.66  | 19.73  | 19.78   |            |          |
| 5                                                          | 1         | 0         | 64-QAM | 19.72  | 19.92  | 19.85   | 18.22      | 0.0664   |
| 5                                                          | 1         | 12        |        | 19.90  | 19.89  | 19.84   |            |          |
| 5                                                          | 1         | 24        |        | 19.92  | 19.72  | 19.91   |            |          |
| 5                                                          | 12        | 0         |        | 18.79  | 18.85  | 18.73   |            |          |
| 5                                                          | 12        | 7         |        | 18.81  | 18.77  | 18.88   |            |          |
| 5                                                          | 12        | 13        |        | 18.77  | 18.72  | 18.78   |            |          |
| 5                                                          | 25        | 0         |        | 18.70  | 18.75  | 18.79   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3                                                          | 1         | 0         | QPSK   | 21.47  | 21.64  | 21.68   | 19.98      | 0.0995   |
| 3                                                          | 1         | 8         |        | 21.65  | 21.54  | 21.60   |            |          |
| 3                                                          | 1         | 14        |        | 21.57  | 21.60  | 21.67   |            |          |
| 3                                                          | 8         | 0         |        | 20.58  | 20.68  | 20.67   |            |          |
| 3                                                          | 8         | 4         |        | 20.59  | 20.65  | 20.76   |            |          |
| 3                                                          | 8         | 7         |        | 20.71  | 20.64  | 20.66   |            |          |
| 3                                                          | 15        | 0         |        | 20.62  | 20.62  | 20.76   |            |          |
| 3                                                          | 1         | 0         | 16-QAM | 20.80  | 20.92  | 20.91   | 19.29      | 0.0849   |
| 3                                                          | 1         | 8         |        | 20.98  | 20.94  | 20.87   |            |          |
| 3                                                          | 1         | 14        |        | 20.99  | 20.78  | 20.99   |            |          |
| 3                                                          | 8         | 0         |        | 19.77  | 19.81  | 19.75   |            |          |
| 3                                                          | 8         | 4         |        | 19.74  | 19.71  | 19.85   |            |          |
| 3                                                          | 8         | 7         |        | 19.75  | 19.63  | 19.77   |            |          |
| 3                                                          | 15        | 0         |        | 19.73  | 19.73  | 19.77   |            |          |
| 3                                                          | 1         | 0         | 64-QAM | 19.74  | 19.94  | 19.85   | 18.30      | 0.0676   |
| 3                                                          | 1         | 8         |        | 19.90  | 19.95  | 19.79   |            |          |
| 3                                                          | 1         | 14        |        | 19.93  | 19.71  | 20.00   |            |          |
| 3                                                          | 8         | 0         |        | 18.80  | 18.76  | 18.73   |            |          |
| 3                                                          | 8         | 4         |        | 18.83  | 18.74  | 18.89   |            |          |
| 3                                                          | 8         | 7         |        | 18.87  | 18.71  | 18.84   |            |          |
| 3                                                          | 15        | 0         |        | 18.76  | 18.80  | 18.82   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = -1.7 dB) |           |           |        |        |        |         |            |          |
|------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4                                                        | 1         | 0         | QPSK   | 21.43  | 21.55  | 21.57   | 19.99      | 0.0998   |
| 1.4                                                        | 1         | 3         |        | 21.52  | 21.64  | 21.66   |            |          |
| 1.4                                                        | 1         | 5         |        | 21.41  | 21.54  | 21.57   |            |          |
| 1.4                                                        | 3         | 0         |        | 21.50  | 21.63  | 21.64   |            |          |
| 1.4                                                        | 3         | 1         |        | 21.54  | 21.67  | 21.69   |            |          |
| 1.4                                                        | 3         | 3         |        | 21.50  | 21.62  | 21.67   |            |          |
| 1.4                                                        | 6         | 0         |        | 20.48  | 20.61  | 20.65   |            |          |
| 1.4                                                        | 1         | 0         | 16-QAM | 20.74  | 20.88  | 20.92   | 19.27      | 0.0845   |
| 1.4                                                        | 1         | 3         |        | 20.79  | 20.94  | 20.97   |            |          |
| 1.4                                                        | 1         | 5         |        | 20.68  | 20.87  | 20.90   |            |          |
| 1.4                                                        | 3         | 0         |        | 20.52  | 20.69  | 20.71   |            |          |
| 1.4                                                        | 3         | 1         |        | 20.57  | 20.73  | 20.76   |            |          |
| 1.4                                                        | 3         | 3         |        | 20.52  | 20.67  | 20.71   |            |          |
| 1.4                                                        | 6         | 0         |        | 19.66  | 19.80  | 19.83   |            |          |
| 1.4                                                        | 1         | 0         | 64-QAM | 19.71  | 19.87  | 19.93   | 18.27      | 0.0671   |
| 1.4                                                        | 1         | 3         |        | 19.76  | 19.94  | 19.97   |            |          |
| 1.4                                                        | 1         | 5         |        | 19.67  | 19.83  | 19.89   |            |          |
| 1.4                                                        | 3         | 0         |        | 19.71  | 19.86  | 19.92   |            |          |
| 1.4                                                        | 3         | 1         |        | 19.75  | 19.90  | 19.94   |            |          |
| 1.4                                                        | 3         | 3         |        | 19.70  | 19.85  | 19.91   |            |          |
| 1.4                                                        | 6         | 0         |        | 18.62  | 18.74  | 18.81   |            |          |
| Limit                                                      | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.2 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 22.01  | 22.03  | 22.12   | 15.80     | 0.0380  |
| 10                                                          | 1        | 25        |        | 22.06  | 22.08  | 22.13   |           |         |
| 10                                                          | 1        | 49        |        | 22.12  | 22.07  | 22.15   |           |         |
| 10                                                          | 25       | 0         |        | 21.12  | 21.15  | 21.22   |           |         |
| 10                                                          | 25       | 12        |        | 21.25  | 21.16  | 21.22   |           |         |
| 10                                                          | 25       | 25        |        | 21.20  | 21.12  | 21.24   |           |         |
| 10                                                          | 50       | 0         |        | 21.21  | 21.14  | 21.22   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 21.11  | 21.17  | 21.41   | 15.08     | 0.0322  |
| 10                                                          | 1        | 25        |        | 21.26  | 21.40  | 21.35   |           |         |
| 10                                                          | 1        | 49        |        | 21.43  | 21.26  | 21.25   |           |         |
| 10                                                          | 25       | 0         |        | 20.14  | 20.20  | 20.25   |           |         |
| 10                                                          | 25       | 12        |        | 20.25  | 20.20  | 20.23   |           |         |
| 10                                                          | 25       | 25        |        | 20.27  | 20.14  | 20.19   |           |         |
| 10                                                          | 50       | 0         |        | 20.25  | 20.18  | 20.19   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 20.04  | 20.11  | 20.32   | 14.05     | 0.0254  |
| 10                                                          | 1        | 25        |        | 20.23  | 20.36  | 20.28   |           |         |
| 10                                                          | 1        | 49        |        | 20.40  | 20.23  | 20.11   |           |         |
| 10                                                          | 25       | 0         |        | 19.16  | 19.19  | 19.16   |           |         |
| 10                                                          | 25       | 12        |        | 19.29  | 19.23  | 19.25   |           |         |
| 10                                                          | 25       | 25        |        | 19.28  | 19.15  | 19.18   |           |         |
| 10                                                          | 50       | 0         |        | 19.28  | 19.22  | 19.22   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.2 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.03  | 22.00  | 22.09   | 15.77     | 0.0378  |
| 5                                                           | 1        | 12        |        | 22.06  | 22.00  | 22.10   |           |         |
| 5                                                           | 1        | 24        |        | 22.12  | 22.01  | 22.12   |           |         |
| 5                                                           | 12       | 0         |        | 21.11  | 21.09  | 21.17   |           |         |
| 5                                                           | 12       | 7         |        | 21.23  | 21.11  | 21.22   |           |         |
| 5                                                           | 12       | 13        |        | 21.10  | 21.08  | 21.16   |           |         |
| 5                                                           | 25       | 0         |        | 21.14  | 21.05  | 21.19   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 21.03  | 21.12  | 21.38   | 15.03     | 0.0318  |
| 5                                                           | 1        | 12        |        | 21.25  | 21.30  | 21.28   |           |         |
| 5                                                           | 1        | 24        |        | 21.33  | 21.25  | 21.25   |           |         |
| 5                                                           | 12       | 0         |        | 20.09  | 20.10  | 20.17   |           |         |
| 5                                                           | 12       | 7         |        | 20.25  | 20.16  | 20.23   |           |         |
| 5                                                           | 12       | 13        |        | 20.25  | 20.05  | 20.19   |           |         |
| 5                                                           | 25       | 0         |        | 20.15  | 20.16  | 20.15   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 20.02  | 20.05  | 20.31   | 14.04     | 0.0254  |
| 5                                                           | 1        | 12        |        | 20.13  | 20.27  | 20.28   |           |         |
| 5                                                           | 1        | 24        |        | 20.39  | 20.16  | 20.11   |           |         |
| 5                                                           | 12       | 0         |        | 19.13  | 19.15  | 19.12   |           |         |
| 5                                                           | 12       | 7         |        | 19.26  | 19.17  | 19.24   |           |         |
| 5                                                           | 12       | 13        |        | 19.21  | 19.12  | 19.15   |           |         |
| 5                                                           | 25       | 0         |        | 19.18  | 19.14  | 19.15   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.2 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK   | 22.00  | 22.00  | 22.07   | 15.74     | 0.0375  |
| 3                                                           | 1        | 8         |        | 22.02  | 22.04  | 22.09   |           |         |
| 3                                                           | 1        | 14        |        | 22.03  | 22.00  | 22.04   |           |         |
| 3                                                           | 8        | 0         |        | 21.12  | 21.11  | 21.18   |           |         |
| 3                                                           | 8        | 4         |        | 21.20  | 21.13  | 21.12   |           |         |
| 3                                                           | 8        | 7         |        | 21.18  | 21.06  | 21.14   |           |         |
| 3                                                           | 15       | 0         |        | 21.17  | 21.05  | 21.20   |           |         |
| 3                                                           | 1        | 0         | 16-QAM | 21.10  | 21.16  | 21.40   | 15.08     | 0.0322  |
| 3                                                           | 1        | 8         |        | 21.21  | 21.38  | 21.27   |           |         |
| 3                                                           | 1        | 14        |        | 21.43  | 21.20  | 21.23   |           |         |
| 3                                                           | 8        | 0         |        | 20.09  | 20.17  | 20.22   |           |         |
| 3                                                           | 8        | 4         |        | 20.20  | 20.15  | 20.23   |           |         |
| 3                                                           | 8        | 7         |        | 20.25  | 20.04  | 20.19   |           |         |
| 3                                                           | 15       | 0         |        | 20.15  | 20.11  | 20.19   |           |         |
| 3                                                           | 1        | 0         | 64-QAM | 20.00  | 20.07  | 20.30   | 14.05     | 0.0254  |
| 3                                                           | 1        | 8         |        | 20.19  | 20.33  | 20.28   |           |         |
| 3                                                           | 1        | 14        |        | 20.40  | 20.17  | 20.02   |           |         |
| 3                                                           | 8        | 0         |        | 19.12  | 19.14  | 19.07   |           |         |
| 3                                                           | 8        | 4         |        | 19.22  | 19.13  | 19.22   |           |         |
| 3                                                           | 8        | 7         |        | 19.19  | 19.13  | 19.16   |           |         |
| 3                                                           | 15       | 0         |        | 19.21  | 19.22  | 19.14   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -4.2 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK   | 22.03  | 22.01  | 22.04   | 15.79     | 0.0379  |
| 1.4                                                         | 1        | 3         |        | 22.12  | 22.07  | 22.13   |           |         |
| 1.4                                                         | 1        | 5         |        | 22.04  | 22.00  | 22.07   |           |         |
| 1.4                                                         | 3        | 0         |        | 22.07  | 22.05  | 22.09   |           |         |
| 1.4                                                         | 3        | 1         |        | 22.13  | 22.09  | 22.14   |           |         |
| 1.4                                                         | 3        | 3         |        | 22.07  | 22.06  | 22.12   |           |         |
| 1.4                                                         | 6        | 0         |        | 21.05  | 21.03  | 21.11   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM | 21.21  | 21.26  | 21.14   | 15.00     | 0.0316  |
| 1.4                                                         | 1        | 3         |        | 21.27  | 21.35  | 21.22   |           |         |
| 1.4                                                         | 1        | 5         |        | 21.20  | 21.29  | 21.13   |           |         |
| 1.4                                                         | 3        | 0         |        | 21.04  | 21.09  | 21.00   |           |         |
| 1.4                                                         | 3        | 1         |        | 21.10  | 21.14  | 21.05   |           |         |
| 1.4                                                         | 3        | 3         |        | 21.03  | 21.06  | 21.00   |           |         |
| 1.4                                                         | 6        | 0         |        | 20.15  | 20.18  | 20.17   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM | 20.21  | 20.24  | 20.14   | 13.96     | 0.0249  |
| 1.4                                                         | 1        | 3         |        | 20.22  | 20.31  | 20.19   |           |         |
| 1.4                                                         | 1        | 5         |        | 20.16  | 20.25  | 20.10   |           |         |
| 1.4                                                         | 3        | 0         |        | 20.20  | 20.26  | 20.13   |           |         |
| 1.4                                                         | 3        | 1         |        | 20.23  | 20.30  | 20.19   |           |         |
| 1.4                                                         | 3        | 3         |        | 20.19  | 20.25  | 20.13   |           |         |
| 1.4                                                         | 6        | 0         |        | 19.08  | 19.12  | 19.11   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -4.2 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 22.66  | 22.64  | 22.62   | 16.36     | 0.0433  |
| 10                                                          | 1        | 25        |        | 22.70  | 22.68  | 22.68   |           |         |
| 10                                                          | 1        | 49        |        | 22.71  | 22.66  | 22.68   |           |         |
| 10                                                          | 25       | 0         |        | 21.81  | 21.79  | 21.75   |           |         |
| 10                                                          | 25       | 12        |        | 21.83  | 21.80  | 21.79   |           |         |
| 10                                                          | 25       | 25        |        | 21.80  | 21.81  | 21.78   |           |         |
| 10                                                          | 50       | 0         |        | 21.80  | 21.78  | 21.77   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 21.82  | 21.84  | 21.85   | 15.58     | 0.0361  |
| 10                                                          | 1        | 25        |        | 21.93  | 21.89  | 21.83   |           |         |
| 10                                                          | 1        | 49        |        | 21.75  | 21.75  | 21.69   |           |         |
| 10                                                          | 25       | 0         |        | 20.85  | 20.83  | 20.83   |           |         |
| 10                                                          | 25       | 12        |        | 20.86  | 20.83  | 20.81   |           |         |
| 10                                                          | 25       | 25        |        | 20.80  | 20.79  | 20.77   |           |         |
| 10                                                          | 50       | 0         |        | 20.84  | 20.81  | 20.80   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 20.80  | 20.82  | 20.83   | 14.58     | 0.0287  |
| 10                                                          | 1        | 25        |        | 20.93  | 20.88  | 20.79   |           |         |
| 10                                                          | 1        | 49        |        | 20.71  | 20.72  | 20.68   |           |         |
| 10                                                          | 25       | 0         |        | 19.85  | 19.88  | 19.81   |           |         |
| 10                                                          | 25       | 12        |        | 19.86  | 19.86  | 19.83   |           |         |
| 10                                                          | 25       | 25        |        | 19.82  | 19.80  | 19.79   |           |         |
| 10                                                          | 50       | 0         |        | 19.86  | 19.82  | 19.82   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -4.2 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.69  | 22.65  | 22.61   | 16.35     | 0.0432  |
| 5                                                           | 1        | 12        |        | 22.70  | 22.68  | 22.67   |           |         |
| 5                                                           | 1        | 24        |        | 22.69  | 22.67  | 22.64   |           |         |
| 5                                                           | 12       | 0         |        | 21.79  | 21.75  | 21.73   |           |         |
| 5                                                           | 12       | 7         |        | 21.84  | 21.79  | 21.76   |           |         |
| 5                                                           | 12       | 13        |        | 21.81  | 21.76  | 21.72   |           |         |
| 5                                                           | 25       | 0         |        | 21.81  | 21.76  | 21.75   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 21.85  | 21.90  | 21.76   | 15.61     | 0.0364  |
| 5                                                           | 1        | 12        |        | 21.92  | 21.88  | 21.72   |           |         |
| 5                                                           | 1        | 24        |        | 21.96  | 21.79  | 21.66   |           |         |
| 5                                                           | 12       | 0         |        | 20.82  | 20.84  | 20.70   |           |         |
| 5                                                           | 12       | 7         |        | 20.87  | 20.80  | 20.71   |           |         |
| 5                                                           | 12       | 13        |        | 20.89  | 20.78  | 20.69   |           |         |
| 5                                                           | 25       | 0         |        | 20.87  | 20.79  | 20.73   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 20.82  | 20.88  | 20.78   | 14.57     | 0.0286  |
| 5                                                           | 1        | 12        |        | 20.90  | 20.86  | 20.72   |           |         |
| 5                                                           | 1        | 24        |        | 20.92  | 20.76  | 20.65   |           |         |
| 5                                                           | 12       | 0         |        | 19.91  | 19.86  | 19.75   |           |         |
| 5                                                           | 12       | 7         |        | 19.96  | 19.89  | 19.77   |           |         |
| 5                                                           | 12       | 13        |        | 19.92  | 19.84  | 19.75   |           |         |
| 5                                                           | 25       | 0         |        | 19.87  | 19.81  | 19.74   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.8 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                          | 1         | 0         | QPSK   | 21.58  | 21.63  | 21.57   | 19.84      | 0.0964   |
| 20                                                          | 1         | 49        |        | 21.64  | 21.62  | 21.58   |            |          |
| 20                                                          | 1         | 99        |        | 21.48  | 21.48  | 21.39   |            |          |
| 20                                                          | 50        | 0         |        | 20.51  | 20.57  | 20.46   |            |          |
| 20                                                          | 50        | 24        |        | 20.49  | 20.52  | 20.45   |            |          |
| 20                                                          | 50        | 50        |        | 20.46  | 20.51  | 20.40   |            |          |
| 20                                                          | 100       | 0         |        | 20.50  | 20.53  | 20.45   |            |          |
| 20                                                          | 1         | 0         | 16-QAM | 20.83  | 20.91  | 20.91   | 19.18      | 0.0828   |
| 20                                                          | 1         | 49        |        | 20.98  | 20.86  | 20.77   |            |          |
| 20                                                          | 1         | 99        |        | 20.88  | 20.83  | 20.62   |            |          |
| 20                                                          | 50        | 0         |        | 19.63  | 19.63  | 19.50   |            |          |
| 20                                                          | 50        | 24        |        | 19.62  | 19.60  | 19.55   |            |          |
| 20                                                          | 50        | 50        |        | 19.60  | 19.59  | 19.55   |            |          |
| 20                                                          | 100       | 0         |        | 19.63  | 19.62  | 19.54   |            |          |
| 20                                                          | 1         | 0         | 64-QAM | 19.80  | 19.89  | 19.85   | 18.17      | 0.0656   |
| 20                                                          | 1         | 49        |        | 19.97  | 19.88  | 19.87   |            |          |
| 20                                                          | 1         | 99        |        | 19.83  | 19.79  | 19.49   |            |          |
| 20                                                          | 50        | 0         |        | 18.65  | 18.68  | 18.60   |            |          |
| 20                                                          | 50        | 24        |        | 18.67  | 18.63  | 18.60   |            |          |
| 20                                                          | 50        | 50        |        | 18.63  | 18.62  | 18.61   |            |          |
| 20                                                          | 100       | 0         |        | 18.63  | 18.64  | 18.62   |            |          |
| Limit                                                       | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.8 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                          | 1         | 0         | QPSK   | 21.57  | 21.58  | 21.53   | 19.82      | 0.0959   |
| 15                                                          | 1         | 37        |        | 21.62  | 21.55  | 21.55   |            |          |
| 15                                                          | 1         | 74        |        | 21.52  | 21.51  | 21.39   |            |          |
| 15                                                          | 36        | 0         |        | 20.48  | 20.40  | 20.39   |            |          |
| 15                                                          | 36        | 20        |        | 20.56  | 20.58  | 20.48   |            |          |
| 15                                                          | 36        | 39        |        | 20.46  | 20.44  | 20.34   |            |          |
| 15                                                          | 75        | 0         |        | 20.48  | 20.48  | 20.32   |            |          |
| 15                                                          | 1         | 0         | 16-QAM | 20.82  | 20.84  | 20.73   | 19.14      | 0.0820   |
| 15                                                          | 1         | 37        |        | 20.94  | 20.85  | 20.73   |            |          |
| 15                                                          | 1         | 74        |        | 20.90  | 20.84  | 20.58   |            |          |
| 15                                                          | 36        | 0         |        | 19.56  | 19.55  | 19.53   |            |          |
| 15                                                          | 36        | 20        |        | 19.70  | 19.67  | 19.54   |            |          |
| 15                                                          | 36        | 39        |        | 19.59  | 19.55  | 19.47   |            |          |
| 15                                                          | 75        | 0         |        | 19.60  | 19.57  | 19.45   |            |          |
| 15                                                          | 1         | 0         | 64-QAM | 19.81  | 19.80  | 19.81   | 18.15      | 0.0653   |
| 15                                                          | 1         | 37        |        | 19.95  | 19.85  | 19.85   |            |          |
| 15                                                          | 1         | 74        |        | 19.81  | 19.79  | 19.66   |            |          |
| 15                                                          | 36        | 0         |        | 18.65  | 18.62  | 18.62   |            |          |
| 15                                                          | 36        | 20        |        | 18.79  | 18.73  | 18.66   |            |          |
| 15                                                          | 36        | 39        |        | 18.69  | 18.64  | 18.58   |            |          |
| 15                                                          | 75        | 0         |        | 18.57  | 18.64  | 18.58   |            |          |
| Limit                                                       | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.8 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                          | 1         | 0         | QPSK   | 21.54  | 21.57  | 21.47   | 19.77      | 0.0948   |
| 10                                                          | 1         | 25        |        | 21.56  | 21.57  | 21.44   |            |          |
| 10                                                          | 1         | 49        |        | 21.48  | 21.48  | 21.35   |            |          |
| 10                                                          | 25        | 0         |        | 20.52  | 20.56  | 20.42   |            |          |
| 10                                                          | 25        | 12        |        | 20.52  | 20.55  | 20.39   |            |          |
| 10                                                          | 25        | 25        |        | 20.46  | 20.50  | 20.37   |            |          |
| 10                                                          | 50        | 0         |        | 20.52  | 20.54  | 20.43   |            |          |
| 10                                                          | 1         | 0         | 16-QAM | 20.80  | 20.76  | 20.72   | 19.04      | 0.0802   |
| 10                                                          | 1         | 25        |        | 20.84  | 20.77  | 20.75   |            |          |
| 10                                                          | 1         | 49        |        | 20.79  | 20.75  | 20.59   |            |          |
| 10                                                          | 25        | 0         |        | 19.63  | 19.61  | 19.46   |            |          |
| 10                                                          | 25        | 12        |        | 19.61  | 19.60  | 19.54   |            |          |
| 10                                                          | 25        | 25        |        | 19.60  | 19.58  | 19.46   |            |          |
| 10                                                          | 50        | 0         |        | 19.62  | 19.61  | 19.56   |            |          |
| 10                                                          | 1         | 0         | 64-QAM | 19.79  | 19.76  | 19.71   | 18.02      | 0.0634   |
| 10                                                          | 1         | 25        |        | 19.82  | 19.76  | 19.76   |            |          |
| 10                                                          | 1         | 49        |        | 19.82  | 19.71  | 19.59   |            |          |
| 10                                                          | 25        | 0         |        | 18.65  | 18.65  | 18.62   |            |          |
| 10                                                          | 25        | 12        |        | 18.68  | 18.65  | 18.60   |            |          |
| 10                                                          | 25        | 25        |        | 18.63  | 18.63  | 18.54   |            |          |
| 10                                                          | 50        | 0         |        | 18.65  | 18.65  | 18.57   |            |          |
| Limit                                                       | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.8 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                           | 1         | 0         | QPSK   | 21.41  | 21.41  | 21.28   | 19.78      | 0.0951   |
| 5                                                           | 1         | 12        |        | 21.57  | 21.58  | 21.41   |            |          |
| 5                                                           | 1         | 24        |        | 21.37  | 21.37  | 21.25   |            |          |
| 5                                                           | 12        | 0         |        | 20.54  | 20.50  | 20.38   |            |          |
| 5                                                           | 12        | 7         |        | 20.63  | 20.61  | 20.47   |            |          |
| 5                                                           | 12        | 13        |        | 20.52  | 20.47  | 20.37   |            |          |
| 5                                                           | 25        | 0         |        | 20.52  | 20.52  | 20.38   |            |          |
| 5                                                           | 1         | 0         | 16-QAM | 20.68  | 20.62  | 20.63   | 19.01      | 0.0796   |
| 5                                                           | 1         | 12        |        | 20.81  | 20.76  | 20.72   |            |          |
| 5                                                           | 1         | 24        |        | 20.67  | 20.61  | 20.51   |            |          |
| 5                                                           | 12        | 0         |        | 19.62  | 19.55  | 19.53   |            |          |
| 5                                                           | 12        | 7         |        | 19.68  | 19.65  | 19.60   |            |          |
| 5                                                           | 12        | 13        |        | 19.62  | 19.58  | 19.47   |            |          |
| 5                                                           | 25        | 0         |        | 19.59  | 19.57  | 19.48   |            |          |
| 5                                                           | 1         | 0         | 64-QAM | 19.67  | 19.61  | 19.60   | 18.01      | 0.0632   |
| 5                                                           | 1         | 12        |        | 19.81  | 19.75  | 19.73   |            |          |
| 5                                                           | 1         | 24        |        | 19.65  | 19.59  | 19.51   |            |          |
| 5                                                           | 12        | 0         |        | 18.71  | 18.65  | 18.65   |            |          |
| 5                                                           | 12        | 7         |        | 18.77  | 18.74  | 18.70   |            |          |
| 5                                                           | 12        | 13        |        | 18.68  | 18.66  | 18.58   |            |          |
| 5                                                           | 25        | 0         |        | 18.64  | 18.60  | 18.53   |            |          |
| Limit                                                       | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.8 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3                                                           | 1         | 0         | QPSK   | 21.39  | 21.31  | 21.26   | 19.75      | 0.0944   |
| 3                                                           | 1         | 8         |        | 21.55  | 21.48  | 21.34   |            |          |
| 3                                                           | 1         | 14        |        | 21.33  | 21.27  | 21.21   |            |          |
| 3                                                           | 8         | 0         |        | 20.52  | 20.45  | 20.29   |            |          |
| 3                                                           | 8         | 4         |        | 20.54  | 20.58  | 20.41   |            |          |
| 3                                                           | 8         | 7         |        | 20.45  | 20.41  | 20.29   |            |          |
| 3                                                           | 15        | 0         |        | 20.50  | 20.51  | 20.29   |            |          |
| 3                                                           | 1         | 0         | 16-QAM | 20.67  | 20.55  | 20.60   | 18.96      | 0.0787   |
| 3                                                           | 1         | 8         |        | 20.76  | 20.70  | 20.63   |            |          |
| 3                                                           | 1         | 14        |        | 20.63  | 20.60  | 20.45   |            |          |
| 3                                                           | 8         | 0         |        | 19.56  | 19.48  | 19.46   |            |          |
| 3                                                           | 8         | 4         |        | 19.68  | 19.65  | 19.59   |            |          |
| 3                                                           | 8         | 7         |        | 19.58  | 19.53  | 19.46   |            |          |
| 3                                                           | 15        | 0         |        | 19.49  | 19.54  | 19.44   |            |          |
| 3                                                           | 1         | 0         | 64-QAM | 19.58  | 19.52  | 19.56   | 17.96      | 0.0625   |
| 3                                                           | 1         | 8         |        | 19.76  | 19.65  | 19.67   |            |          |
| 3                                                           | 1         | 14        |        | 19.60  | 19.57  | 19.42   |            |          |
| 3                                                           | 8         | 0         |        | 18.66  | 18.60  | 18.56   |            |          |
| 3                                                           | 8         | 4         |        | 18.69  | 18.71  | 18.65   |            |          |
| 3                                                           | 8         | 7         |        | 18.59  | 18.57  | 18.49   |            |          |
| 3                                                           | 15        | 0         |        | 18.63  | 18.55  | 18.53   |            |          |
| Limit                                                       | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = -1.8 dB) |           |           |        |        |        |         |            |          |
|-------------------------------------------------------------|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size   | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4                                                         | 1         | 0         | QPSK   | 21.38  | 21.40  | 21.22   | 19.77      | 0.095    |
| 1.4                                                         | 1         | 3         |        | 21.57  | 21.57  | 21.32   |            |          |
| 1.4                                                         | 1         | 5         |        | 21.37  | 21.35  | 21.18   |            |          |
| 1.4                                                         | 3         | 0         |        | 20.47  | 20.42  | 20.33   |            |          |
| 1.4                                                         | 3         | 1         |        | 20.53  | 20.57  | 20.41   |            |          |
| 1.4                                                         | 3         | 3         |        | 20.44  | 20.40  | 20.29   |            |          |
| 1.4                                                         | 6         | 0         |        | 20.42  | 20.46  | 20.29   |            |          |
| 1.4                                                         | 1         | 0         | 16-QAM | 20.66  | 20.53  | 20.59   | 18.92      | 0.078    |
| 1.4                                                         | 1         | 3         |        | 20.72  | 20.70  | 20.69   |            |          |
| 1.4                                                         | 1         | 5         |        | 20.59  | 20.54  | 20.44   |            |          |
| 1.4                                                         | 3         | 0         |        | 19.52  | 19.51  | 19.46   |            |          |
| 1.4                                                         | 3         | 1         |        | 19.59  | 19.55  | 19.53   |            |          |
| 1.4                                                         | 3         | 3         |        | 19.60  | 19.57  | 19.37   |            |          |
| 1.4                                                         | 6         | 0         |        | 19.50  | 19.48  | 19.44   |            |          |
| 1.4                                                         | 1         | 0         | 64-QAM | 19.67  | 19.51  | 19.57   | 18.01      | 0.063    |
| 1.4                                                         | 1         | 3         |        | 19.81  | 19.66  | 19.73   |            |          |
| 1.4                                                         | 1         | 5         |        | 19.60  | 19.50  | 19.47   |            |          |
| 1.4                                                         | 3         | 0         |        | 18.71  | 18.64  | 18.64   |            |          |
| 1.4                                                         | 3         | 1         |        | 18.72  | 18.65  | 18.65   |            |          |
| 1.4                                                         | 3         | 3         |        | 18.62  | 18.64  | 18.48   |            |          |
| 1.4                                                         | 6         | 0         |        | 18.60  | 18.52  | 18.51   |            |          |
| Limit                                                       | EIRP < 1W |           |        | Result |        |         | Pass       |          |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -4.1 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 20                                                          | 1        | 0         | QPSK   | 22.58  | 22.51  | 22.62   | 16.45     | 0.0442  |
| 20                                                          | 1        | 49        |        | 22.68  | 22.64  | 22.71   |           |         |
| 20                                                          | 1        | 99        |        | 22.65  | 22.74  | 22.80   |           |         |
| 20                                                          | 50       | 0         |        | 21.73  | 21.62  | 21.56   |           |         |
| 20                                                          | 50       | 24        |        | 21.71  | 21.61  | 21.76   |           |         |
| 20                                                          | 50       | 50        |        | 21.79  | 21.65  | 21.86   |           |         |
| 20                                                          | 100      | 0         |        | 21.80  | 21.58  | 21.73   |           |         |
| 20                                                          | 1        | 0         | 16-QAM | 21.79  | 21.85  | 21.77   | 15.68     | 0.0370  |
| 20                                                          | 1        | 49        |        | 21.99  | 21.96  | 22.03   |           |         |
| 20                                                          | 1        | 99        |        | 21.96  | 22.01  | 22.01   |           |         |
| 20                                                          | 50       | 0         |        | 20.82  | 20.69  | 20.66   |           |         |
| 20                                                          | 50       | 24        |        | 20.82  | 20.71  | 20.83   |           |         |
| 20                                                          | 50       | 50        |        | 20.86  | 20.73  | 20.92   |           |         |
| 20                                                          | 100      | 0         |        | 20.89  | 20.65  | 20.91   |           |         |
| 20                                                          | 1        | 0         | 64-QAM | 20.79  | 20.82  | 20.84   | 14.63     | 0.0290  |
| 20                                                          | 1        | 49        |        | 20.96  | 20.95  | 20.97   |           |         |
| 20                                                          | 1        | 99        |        | 20.91  | 20.96  | 20.98   |           |         |
| 20                                                          | 50       | 0         |        | 19.86  | 19.72  | 19.79   |           |         |
| 20                                                          | 50       | 24        |        | 19.84  | 19.72  | 20.01   |           |         |
| 20                                                          | 50       | 50        |        | 19.88  | 19.84  | 20.04   |           |         |
| 20                                                          | 100      | 0         |        | 19.93  | 19.80  | 19.95   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -4.1 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                          | 1        | 0         | QPSK   | 22.63  | 22.52  | 22.60   | 16.42     | 0.0439  |
| 15                                                          | 1        | 37        |        | 22.68  | 22.57  | 22.73   |           |         |
| 15                                                          | 1        | 74        |        | 22.70  | 22.72  | 22.77   |           |         |
| 15                                                          | 36       | 0         |        | 21.72  | 21.63  | 21.65   |           |         |
| 15                                                          | 36       | 20        |        | 21.72  | 21.62  | 21.71   |           |         |
| 15                                                          | 36       | 39        |        | 21.78  | 21.60  | 21.81   |           |         |
| 15                                                          | 75       | 0         |        | 21.68  | 21.59  | 21.67   |           |         |
| 15                                                          | 1        | 0         | 16-QAM | 21.80  | 21.85  | 21.94   | 15.76     | 0.0377  |
| 15                                                          | 1        | 37        |        | 22.01  | 21.86  | 21.99   |           |         |
| 15                                                          | 1        | 74        |        | 21.98  | 22.11  | 22.01   |           |         |
| 15                                                          | 36       | 0         |        | 20.80  | 20.74  | 20.74   |           |         |
| 15                                                          | 36       | 20        |        | 20.86  | 20.73  | 20.78   |           |         |
| 15                                                          | 36       | 39        |        | 20.89  | 20.69  | 20.86   |           |         |
| 15                                                          | 75       | 0         |        | 20.78  | 20.69  | 20.87   |           |         |
| 15                                                          | 1        | 0         | 64-QAM | 20.84  | 20.83  | 20.91   | 14.68     | 0.0294  |
| 15                                                          | 1        | 37        |        | 20.99  | 20.86  | 20.97   |           |         |
| 15                                                          | 1        | 74        |        | 20.94  | 21.03  | 20.98   |           |         |
| 15                                                          | 36       | 0         |        | 19.89  | 19.79  | 19.87   |           |         |
| 15                                                          | 36       | 20        |        | 19.91  | 19.79  | 20.01   |           |         |
| 15                                                          | 36       | 39        |        | 19.96  | 19.74  | 20.01   |           |         |
| 15                                                          | 75       | 0         |        | 19.83  | 19.80  | 19.95   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -4.1 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK   | 22.63  | 22.50  | 22.64   | 16.42     | 0.0439  |
| 10                                                          | 1        | 25        |        | 22.61  | 22.56  | 22.72   |           |         |
| 10                                                          | 1        | 49        |        | 22.65  | 22.60  | 22.77   |           |         |
| 10                                                          | 25       | 0         |        | 21.71  | 21.64  | 21.70   |           |         |
| 10                                                          | 25       | 12        |        | 21.78  | 21.65  | 21.72   |           |         |
| 10                                                          | 25       | 25        |        | 21.72  | 21.58  | 21.82   |           |         |
| 10                                                          | 50       | 0         |        | 21.77  | 21.60  | 21.84   |           |         |
| 10                                                          | 1        | 0         | 16-QAM | 21.81  | 21.80  | 21.94   | 15.64     | 0.0366  |
| 10                                                          | 1        | 25        |        | 21.91  | 21.86  | 21.92   |           |         |
| 10                                                          | 1        | 49        |        | 21.99  | 21.86  | 21.98   |           |         |
| 10                                                          | 25       | 0         |        | 20.75  | 20.70  | 20.74   |           |         |
| 10                                                          | 25       | 12        |        | 20.85  | 20.70  | 20.91   |           |         |
| 10                                                          | 25       | 25        |        | 20.85  | 20.68  | 20.85   |           |         |
| 10                                                          | 50       | 0         |        | 20.84  | 20.71  | 20.89   |           |         |
| 10                                                          | 1        | 0         | 64-QAM | 20.78  | 20.79  | 20.91   | 14.58     | 0.0287  |
| 10                                                          | 1        | 25        |        | 20.90  | 20.83  | 20.91   |           |         |
| 10                                                          | 1        | 49        |        | 20.93  | 20.85  | 20.93   |           |         |
| 10                                                          | 25       | 0         |        | 19.77  | 19.74  | 19.78   |           |         |
| 10                                                          | 25       | 12        |        | 19.90  | 19.75  | 19.93   |           |         |
| 10                                                          | 25       | 25        |        | 19.86  | 19.71  | 19.89   |           |         |
| 10                                                          | 50       | 0         |        | 19.88  | 19.83  | 19.89   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -4.1 dB) |          |           |        |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK   | 22.61  | 22.69  | 22.70   | 16.44     | 0.0441  |
| 5                                                           | 1        | 12        |        | 22.63  | 22.57  | 22.79   |           |         |
| 5                                                           | 1        | 24        |        | 22.60  | 22.60  | 22.78   |           |         |
| 5                                                           | 12       | 0         |        | 21.69  | 21.63  | 21.79   |           |         |
| 5                                                           | 12       | 7         |        | 21.70  | 21.64  | 21.90   |           |         |
| 5                                                           | 12       | 13        |        | 21.67  | 21.58  | 21.88   |           |         |
| 5                                                           | 25       | 0         |        | 21.69  | 21.61  | 21.82   |           |         |
| 5                                                           | 1        | 0         | 16-QAM | 21.80  | 21.83  | 21.87   | 15.63     | 0.0366  |
| 5                                                           | 1        | 12        |        | 21.80  | 21.86  | 21.98   |           |         |
| 5                                                           | 1        | 24        |        | 21.84  | 21.91  | 21.96   |           |         |
| 5                                                           | 12       | 0         |        | 20.74  | 20.70  | 20.82   |           |         |
| 5                                                           | 12       | 7         |        | 20.75  | 20.71  | 20.94   |           |         |
| 5                                                           | 12       | 13        |        | 20.74  | 20.78  | 20.93   |           |         |
| 5                                                           | 25       | 0         |        | 20.72  | 20.80  | 20.85   |           |         |
| 5                                                           | 1        | 0         | 64-QAM | 20.80  | 20.91  | 20.86   | 14.63     | 0.0290  |
| 5                                                           | 1        | 12        |        | 20.79  | 20.93  | 20.97   |           |         |
| 5                                                           | 1        | 24        |        | 20.84  | 20.98  | 20.95   |           |         |
| 5                                                           | 12       | 0         |        | 19.81  | 19.86  | 19.90   |           |         |
| 5                                                           | 12       | 7         |        | 19.82  | 19.90  | 20.02   |           |         |
| 5                                                           | 12       | 13        |        | 19.81  | 19.85  | 19.96   |           |         |
| 5                                                           | 25       | 0         |        | 19.75  | 19.82  | 19.88   |           |         |
| Limit                                                       | ERP < 3W |           |        | Result |        |         | Pass      |         |



**<Main Antenna>**

| LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -0.8 dB) |          |           |         |           |        |        |        |         |           |         |
|----------------------------------------------------------------|----------|-----------|---------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                       | PCC      |           | SCC     |           | Mod    | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
|                                                                | RB Size  | RB Offset | RB Size | RB Offset |        |        |        |         |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | QPSK   | 21.45  | 21.37  | 21.37   | 20.40     | 0.1096  |
| 10+10                                                          | 1        | 0         | 1       | 49        |        | 12.75  | 12.80  | 12.83   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |        | 23.35  | 23.25  | 23.29   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 16-QAM | 20.49  | 20.46  | 20.40   | 19.68     | 0.0929  |
| 10+10                                                          | 1        | 0         | 1       | 49        |        | 13.38  | 13.37  | 13.26   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |        | 22.63  | 22.63  | 22.62   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 64-QAM | 20.48  | 20.40  | 20.37   | 17.64     | 0.0581  |
| 10+10                                                          | 1        | 0         | 1       | 49        |        | 13.35  | 13.16  | 13.12   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |        | 20.53  | 20.51  | 20.59   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | QPSK   | 21.41  | 21.27  | 21.18   | 20.36     | 0.1086  |
| 10+5                                                           | 1        | 0         | 1       | 24        |        | 13.21  | 13.22  | 13.23   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |        | 23.16  | 23.31  | 23.20   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 16-QAM | 20.45  | 20.39  | 20.51   | 19.63     | 0.0918  |
| 10+5                                                           | 1        | 0         | 1       | 24        |        | 13.94  | 13.40  | 13.89   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |        | 22.58  | 22.54  | 22.50   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 64-QAM | 20.56  | 20.33  | 20.23   | 17.61     | 0.0577  |
| 10+5                                                           | 1        | 0         | 1       | 24        |        | 13.76  | 13.58  | 13.55   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |        | 20.46  | 20.53  | 20.36   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | QPSK   | 21.44  | 21.36  | 21.19   | 20.49     | 0.1119  |
| 5+10                                                           | 1        | 0         | 1       | 49        |        | 13.39  | 13.42  | 13.14   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |        | 23.25  | 23.44  | 23.18   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 16-QAM | 20.45  | 20.44  | 20.29   | 19.69     | 0.0931  |
| 5+10                                                           | 1        | 0         | 1       | 49        |        | 13.89  | 14.05  | 13.75   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |        | 22.64  | 22.62  | 22.51   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 64-QAM | 20.43  | 20.43  | 20.29   | 17.69     | 0.0587  |
| 5+10                                                           | 1        | 0         | 1       | 49        |        | 13.93  | 13.81  | 13.54   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |        | 20.64  | 20.51  | 20.38   |           |         |
| Limit                                                          | ERP < 7W |           |         |           |        | Result |        |         | Pass      |         |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |         |           |        |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |        |        |        |         |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | QPSK   | 22.00  | 22.16  | 22.16   | 21.45      | 0.1396   |
| 20+20                                                           | 1         | 0         | 1       | 99        |        | 15.43  | 15.64  | 15.65   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |        | 24.01  | 24.02  | 24.15   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 16-QAM | 21.25  | 21.26  | 21.27   | 20.93      | 0.1239   |
| 20+20                                                           | 1         | 0         | 1       | 99        |        | 16.18  | 16.16  | 16.26   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |        | 23.43  | 23.49  | 23.63   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 64-QAM | 21.16  | 21.17  | 21.32   | 18.79      | 0.0757   |
| 20+20                                                           | 1         | 0         | 1       | 99        |        | 15.68  | 15.83  | 15.92   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |        | 21.24  | 21.27  | 21.49   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | QPSK   | 21.98  | 22.14  | 22.10   | 21.41      | 0.1384   |
| 20+15                                                           | 1         | 0         | 1       | 74        |        | 15.44  | 15.59  | 15.62   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |        | 23.76  | 24.11  | 24.08   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 16-QAM | 21.13  | 21.24  | 21.22   | 20.92      | 0.1236   |
| 20+15                                                           | 1         | 0         | 1       | 74        |        | 16.07  | 16.16  | 16.26   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |        | 23.41  | 23.57  | 23.62   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 64-QAM | 21.12  | 21.24  | 21.21   | 18.59      | 0.0723   |
| 20+15                                                           | 1         | 0         | 1       | 74        |        | 15.80  | 15.89  | 15.97   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |        | 21.08  | 21.29  | 21.23   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | QPSK   | 22.01  | 22.08  | 22.10   | 21.38      | 0.1374   |
| 15+20                                                           | 1         | 0         | 1       | 99        |        | 15.41  | 15.62  | 15.62   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |        | 23.85  | 23.99  | 24.08   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 16-QAM | 21.19  | 21.18  | 21.22   | 20.92      | 0.1236   |
| 15+20                                                           | 1         | 0         | 1       | 99        |        | 16.05  | 16.16  | 16.26   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |        | 23.42  | 23.47  | 23.62   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 64-QAM | 21.14  | 21.20  | 21.21   | 18.53      | 0.0713   |
| 15+20                                                           | 1         | 0         | 1       | 99        |        | 15.76  | 15.87  | 15.97   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |        | 21.15  | 21.23  | 21.23   |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |        | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |         |           |        |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |        |        |        |         |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | QPSK   | 22.04  | 22.25  | 22.21   | 21.44      | 0.1393   |
| 20+10                                                           | 1         | 0         | 1       | 49        |        | 15.49  | 15.66  | 15.70   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |        | 23.87  | 24.14  | 24.13   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 16-QAM | 21.18  | 21.39  | 21.38   | 21.03      | 0.1268   |
| 20+10                                                           | 1         | 0         | 1       | 49        |        | 16.12  | 16.17  | 16.27   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |        | 23.45  | 23.65  | 23.73   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 64-QAM | 21.19  | 21.34  | 21.37   | 18.86      | 0.0769   |
| 20+10                                                           | 1         | 0         | 1       | 49        |        | 15.85  | 15.91  | 15.99   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |        | 21.34  | 21.41  | 21.56   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | QPSK   | 21.96  | 22.07  | 22.07   | 21.35      | 0.1365   |
| 10+20                                                           | 1         | 0         | 1       | 99        |        | 15.48  | 15.59  | 15.64   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |        | 23.86  | 23.99  | 24.05   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 16-QAM | 21.21  | 21.19  | 21.23   | 20.95      | 0.1245   |
| 10+20                                                           | 1         | 0         | 1       | 99        |        | 16.11  | 16.11  | 16.25   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |        | 23.46  | 23.48  | 23.65   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 64-QAM | 21.14  | 21.19  | 21.23   | 18.79      | 0.0757   |
| 10+20                                                           | 1         | 0         | 1       | 99        |        | 15.80  | 15.85  | 15.95   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |        | 21.27  | 21.22  | 21.49   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | QPSK   | 22.00  | 22.13  | 22.15   | 21.43      | 0.1390   |
| 20+5                                                            | 1         | 0         | 1       | 24        |        | 15.43  | 15.62  | 15.69   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |        | 23.95  | 24.13  | 24.05   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 16-QAM | 21.15  | 21.20  | 21.29   | 20.91      | 0.1233   |
| 20+5                                                            | 1         | 0         | 1       | 24        |        | 16.07  | 16.14  | 16.37   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |        | 23.42  | 23.61  | 23.59   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 64-QAM | 21.15  | 21.17  | 21.28   | 18.7       | 0.0741   |
| 20+5                                                            | 1         | 0         | 1       | 24        |        | 15.82  | 15.85  | 16.06   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |        | 21.40  | 21.38  | 21.35   |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |        | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |           |         |           |        |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |        |        |        |         |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | QPSK   | 21.87  | 22.07  | 22.12   | 21.44      | 0.1393   |
| 5+20                                                            | 1         | 0         | 1       | 99        |        | 15.39  | 15.63  | 15.67   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |        | 23.88  | 24.14  | 24.14   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 16-QAM | 21.13  | 21.16  | 21.26   | 20.92      | 0.1236   |
| 5+20                                                            | 1         | 0         | 1       | 99        |        | 16.02  | 16.10  | 16.18   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |        | 23.33  | 23.51  | 23.62   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 64-QAM | 21.09  | 21.23  | 21.32   | 18.63      | 0.0729   |
| 5+20                                                            | 1         | 0         | 1       | 99        |        | 15.76  | 15.85  | 16.01   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |        | 21.15  | 21.30  | 21.33   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | QPSK   | 21.99  | 22.09  | 22.15   | 21.42      | 0.1387   |
| 15+10                                                           | 1         | 0         | 1       | 49        |        | 15.35  | 15.59  | 15.60   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |        | 23.88  | 24.12  | 24.03   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 16-QAM | 21.16  | 21.19  | 21.30   | 20.88      | 0.1225   |
| 15+10                                                           | 1         | 0         | 1       | 49        |        | 16.03  | 16.12  | 16.25   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |        | 23.46  | 23.58  | 23.57   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 64-QAM | 21.11  | 21.25  | 21.31   | 18.63      | 0.0729   |
| 15+10                                                           | 1         | 0         | 1       | 49        |        | 15.75  | 15.85  | 15.98   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |        | 21.30  | 21.33  | 21.31   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | QPSK   | 21.96  | 22.09  | 22.14   | 21.58      | 0.1439   |
| 10+15                                                           | 1         | 0         | 1       | 74        |        | 15.41  | 15.59  | 15.67   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |        | 23.84  | 23.98  | 24.28   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 16-QAM | 21.11  | 21.23  | 21.29   | 20.9       | 0.1230   |
| 10+15                                                           | 1         | 0         | 1       | 74        |        | 16.10  | 16.11  | 16.30   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |        | 23.42  | 23.48  | 23.60   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 64-QAM | 21.12  | 21.19  | 21.29   | 18.74      | 0.0748   |
| 10+15                                                           | 1         | 0         | 1       | 74        |        | 15.80  | 15.82  | 16.03   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |        | 21.27  | 21.21  | 21.44   |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |        | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG042406-07B

| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -2.7 dB) |           |    |    |    |        |        |       |       |       |        |
|-----------------------------------------------------------------|-----------|----|----|----|--------|--------|-------|-------|-------|--------|
| 15+15                                                           | 75        | 0  | 75 | 0  | QPSK   | 22.01  | 22.14 | 22.09 | 21.35 | 0.1365 |
| 15+15                                                           | 1         | 0  | 1  | 74 |        | 15.42  | 15.58 | 15.57 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |        | 23.87  | 23.98 | 24.05 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 16-QAM | 21.19  | 21.24 | 21.26 | 20.89 | 0.1227 |
| 15+15                                                           | 1         | 0  | 1  | 74 |        | 16.06  | 16.11 | 16.20 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |        | 23.42  | 23.47 | 23.59 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 64-QAM | 21.14  | 21.21 | 21.27 | 18.76 | 0.0752 |
| 15+15                                                           | 1         | 0  | 1  | 74 |        | 15.79  | 15.84 | 15.96 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |        | 21.31  | 21.24 | 21.46 |       |        |
| Limit                                                           | EIRP < 2W |    |    |    |        | Result |       |       | Pass  |        |

## LTE Band 5B

### 26dB Bandwidth

| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| QPSK      |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | -                          | -           | 14.45      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 14.69                      | 19.66       | -          |

| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 16QAM     |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | -                          | -           | 14.51      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 14.66                      | 19.54       | -          |

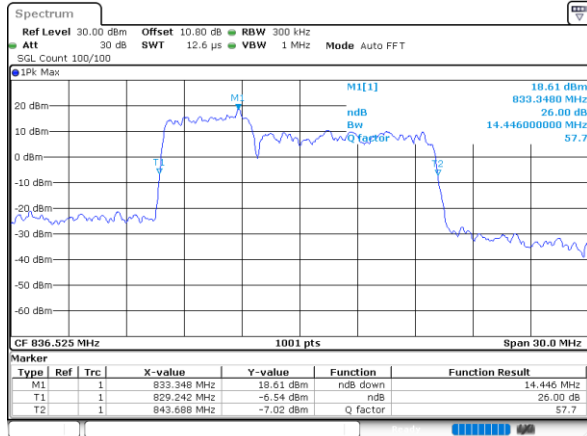
| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 64QAM     |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | -                          | -           | 14.54      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 14.69                      | 19.70       | -          |



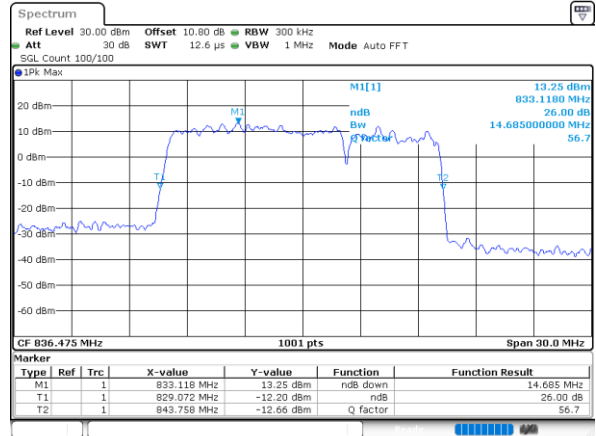
## LTE Band 5B

## QPSK

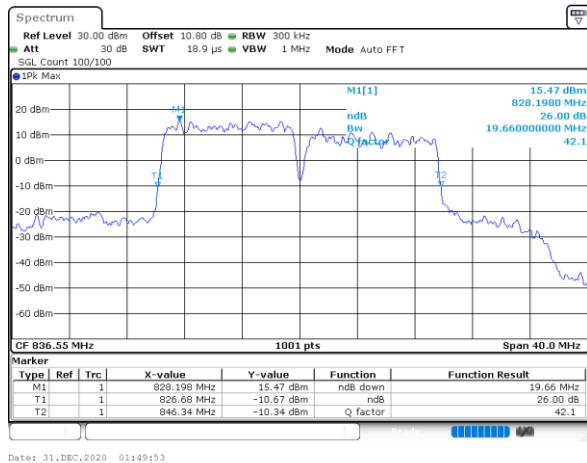
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



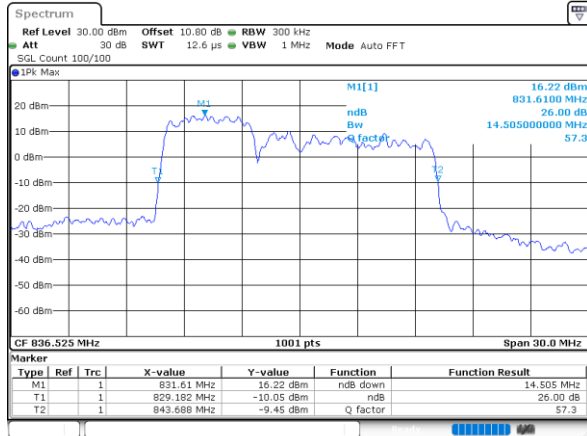
N/A



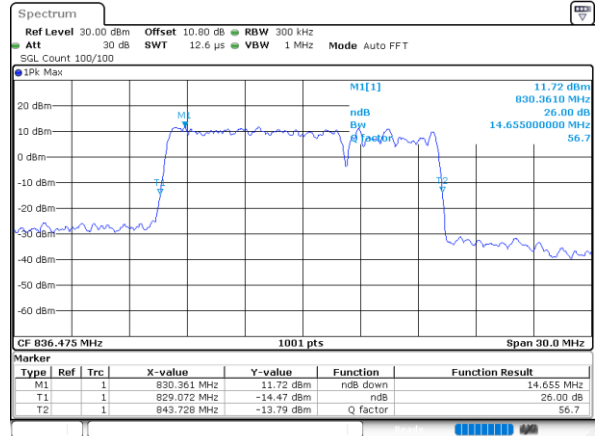
## LTE Band 5B

## 16QAM

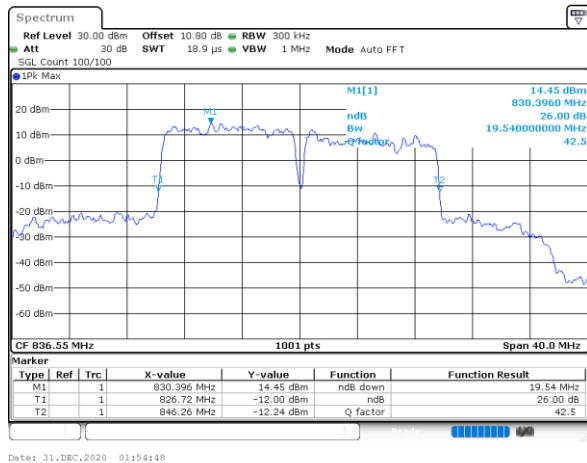
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



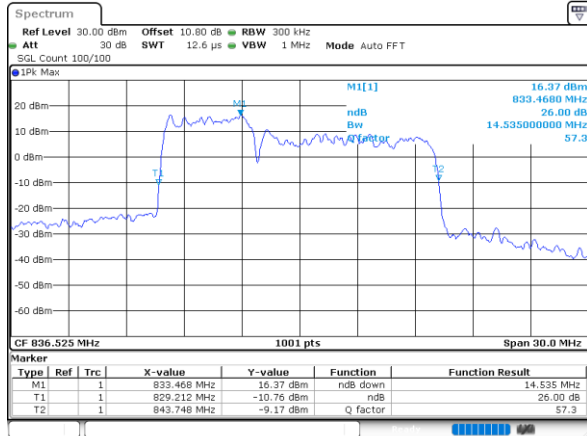
N/A



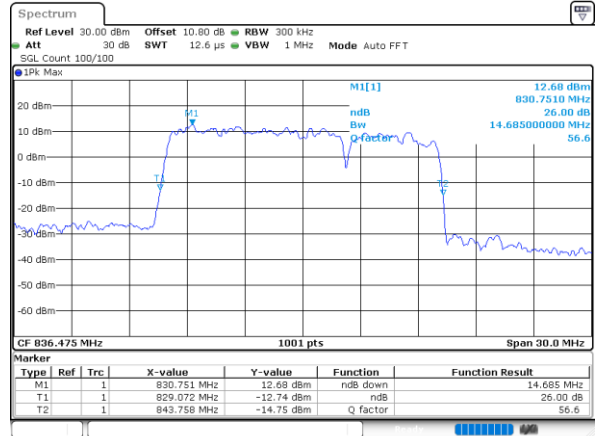
## LTE Band 5B

## 64QAM

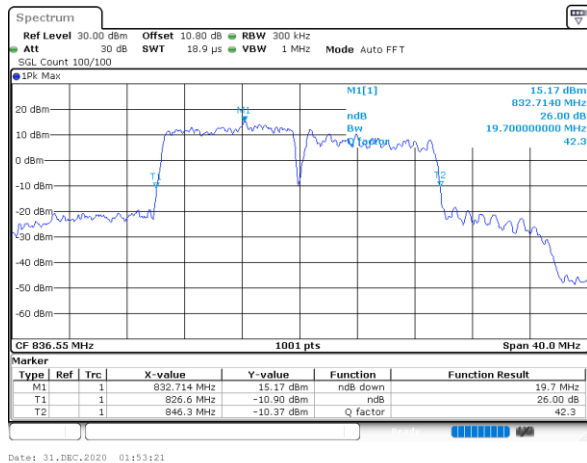
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



N/A

## Occupied Bandwidth

| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | QPSK                      |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | -                         | -           | 13.88      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.76                     | 18.86       | -          |

| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | 16QAM                     |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | -                         | -           | 13.79      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.88                     | 18.62       | -          |

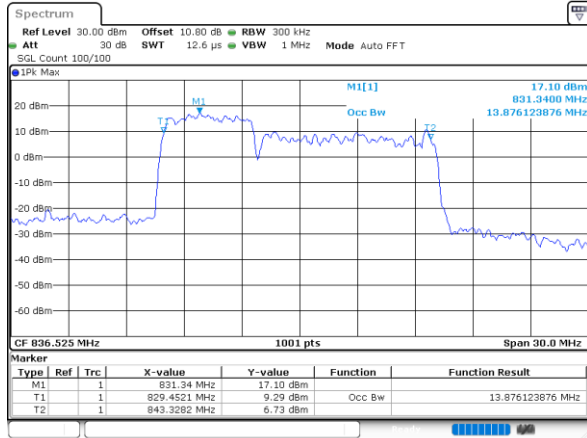
| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | 64QAM                     |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | -                         | -           | 13.73      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.91                     | 18.70       | -          |



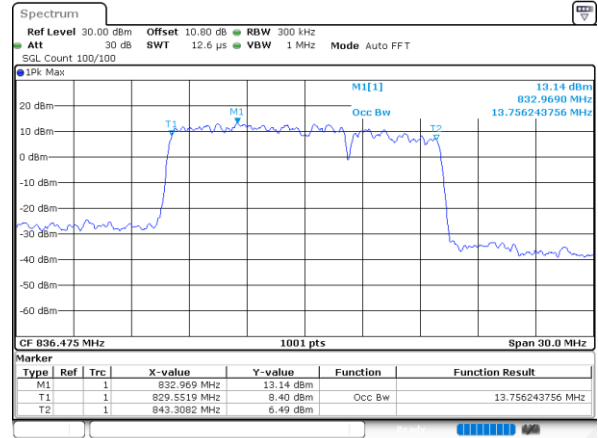
## LTE Band 5B

## QPSK

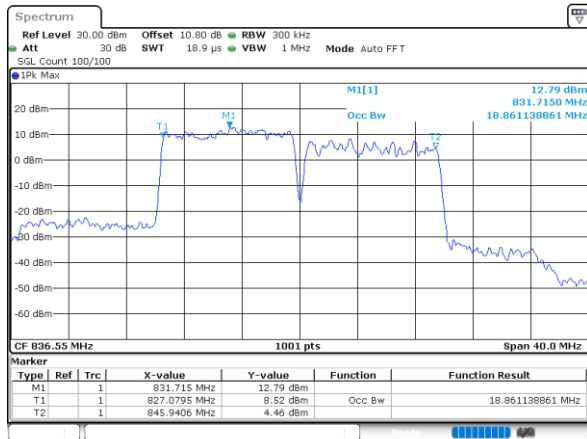
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



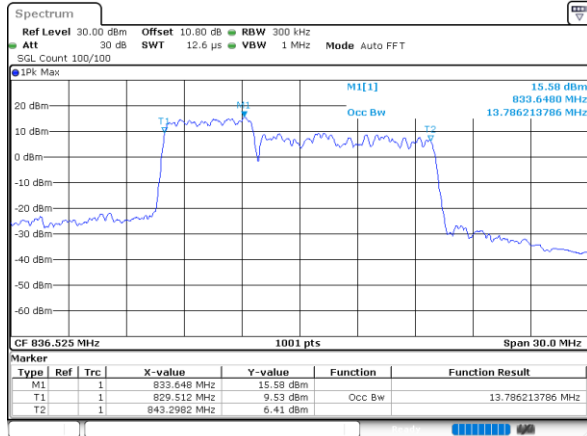
N/A



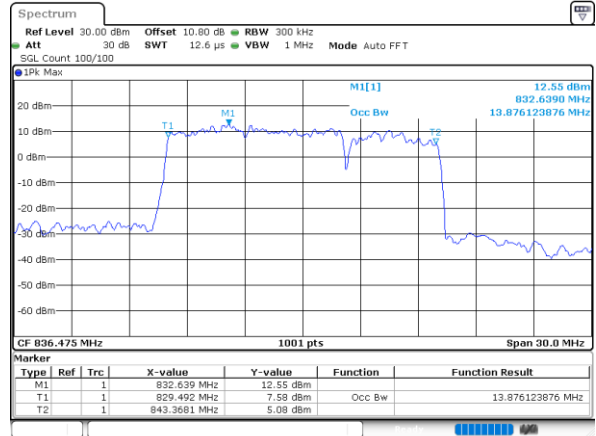
## LTE Band 5B

## 16QAM

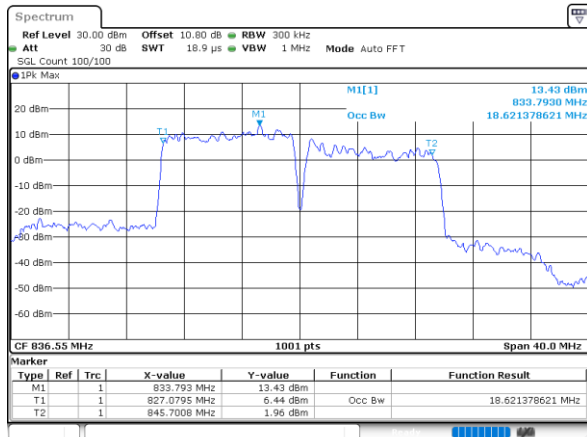
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



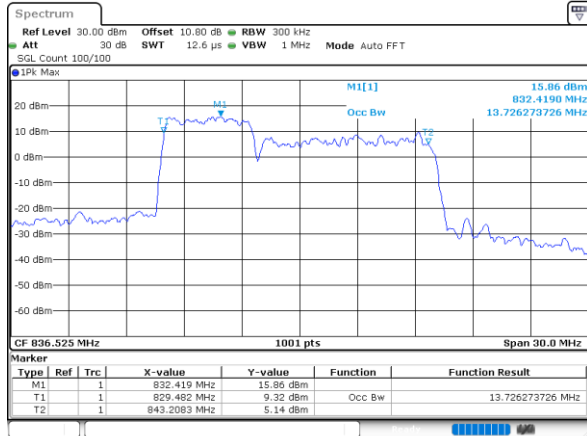
N/A



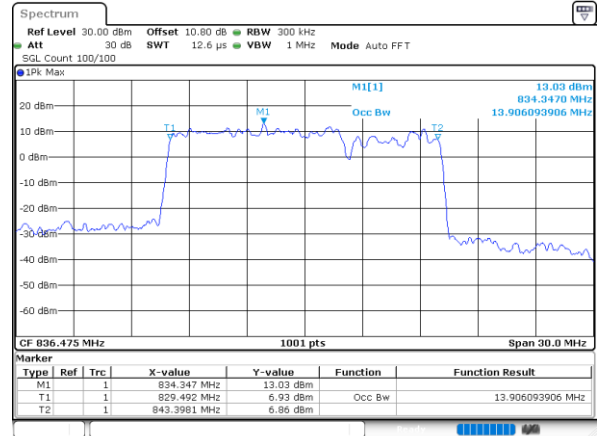
## LTE Band 5B

## 64QAM

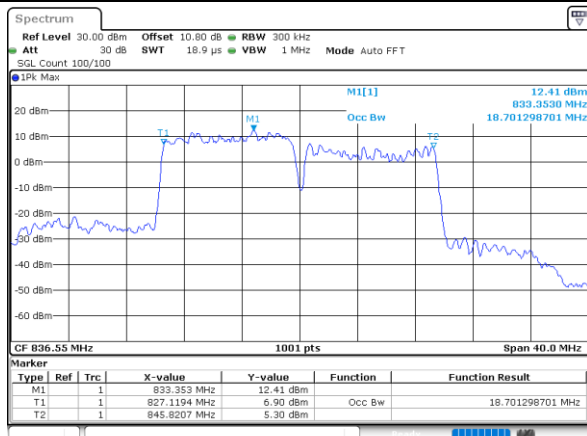
## Middle Channel / 5MHz+10MHz



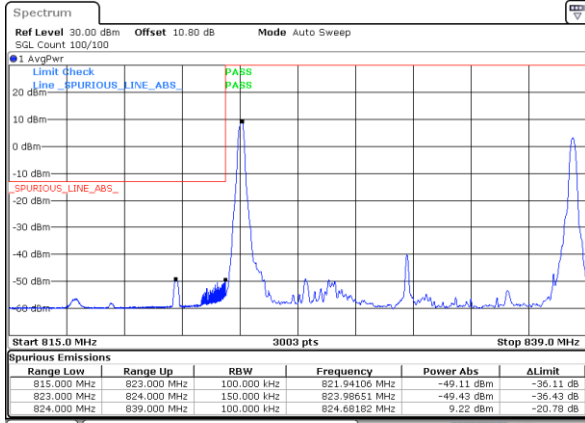
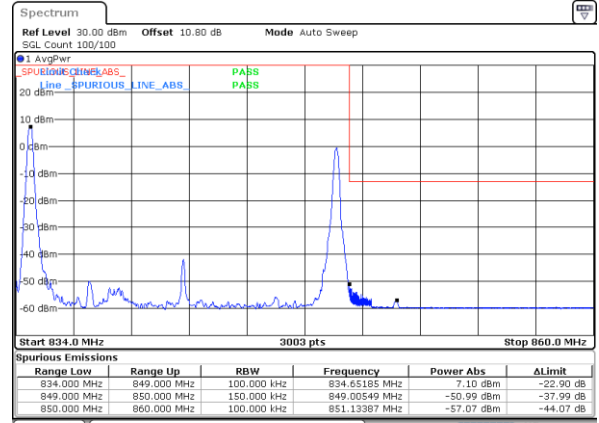
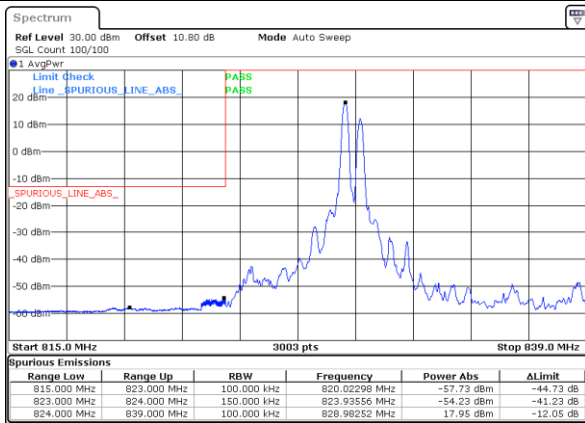
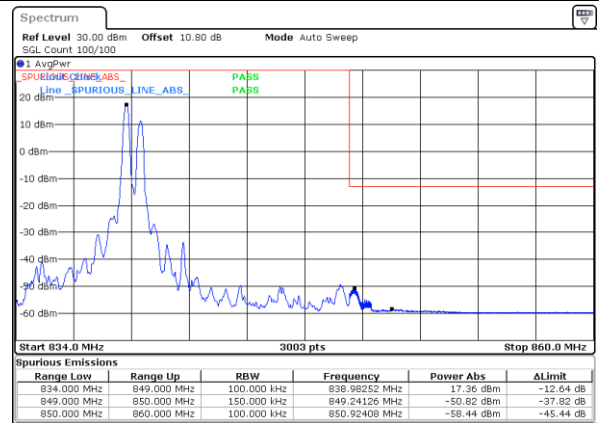
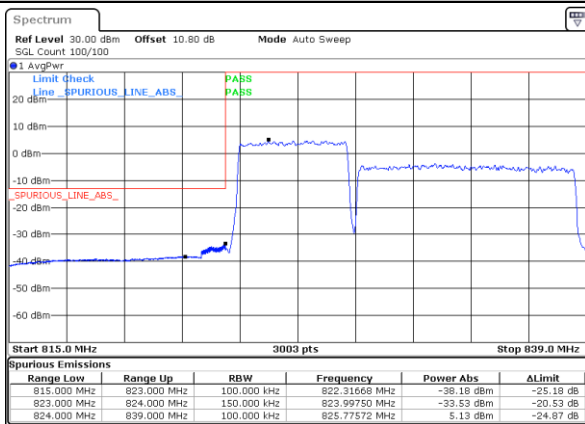
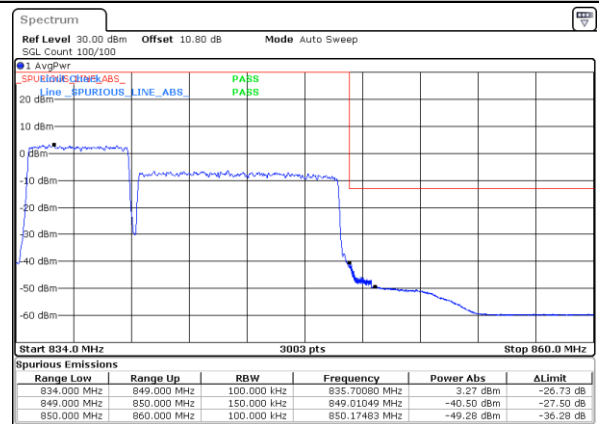
## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



N/A

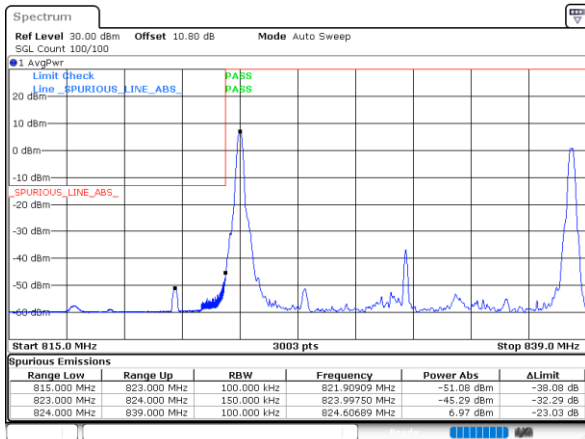
**Conducted Band Edge****LTE Band 5B / 5MHz+10MHz****QPSK****Lowest Band Edge / 1RB0 and 1RB49****Highest Band Edge / 1RB0 and 1RB49****Lowest Band Edge / 1RB24 and 1RB0****Highest Band Edge / 1RB24 and 1RB0****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



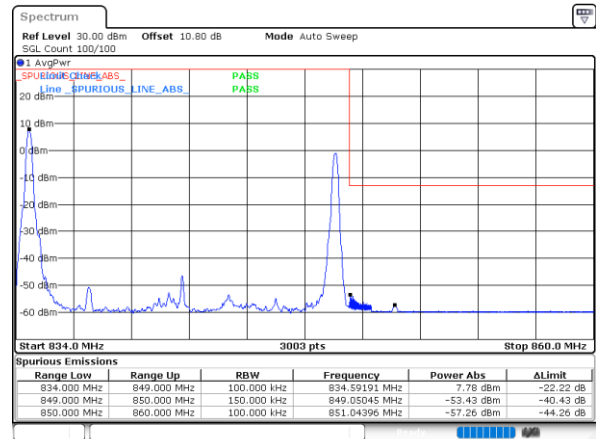
## LTE Band 5B / 10MHz+5MHz

## QPSK

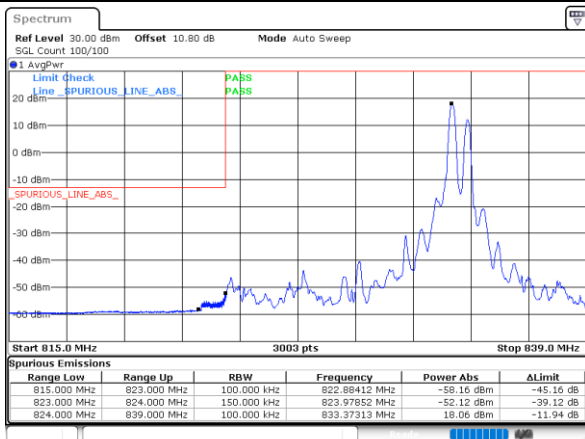
## Lowest Band Edge / 1RB0 and 1RB24



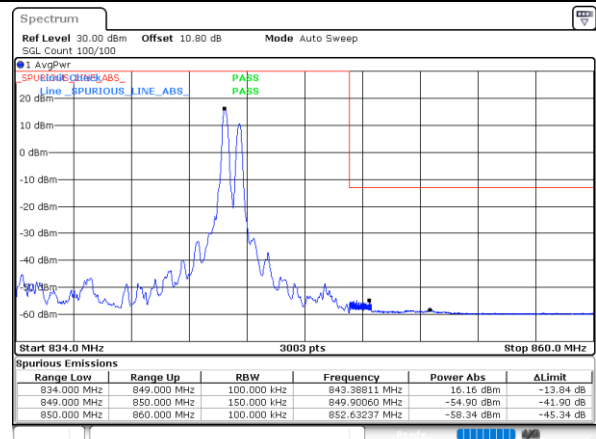
## Highest Band Edge / 1RB0 and 1RB24



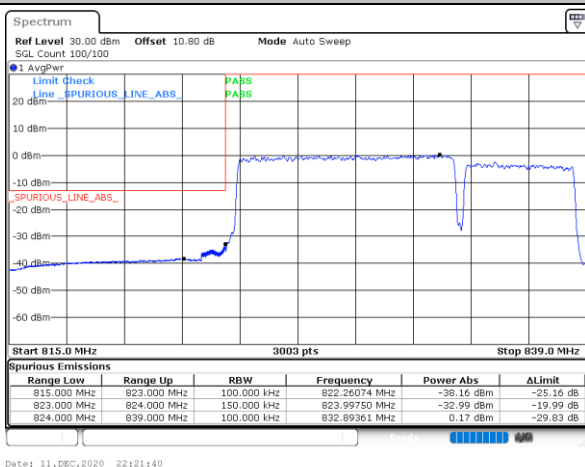
## Lowest Band Edge / 1RB49 and 1RB0



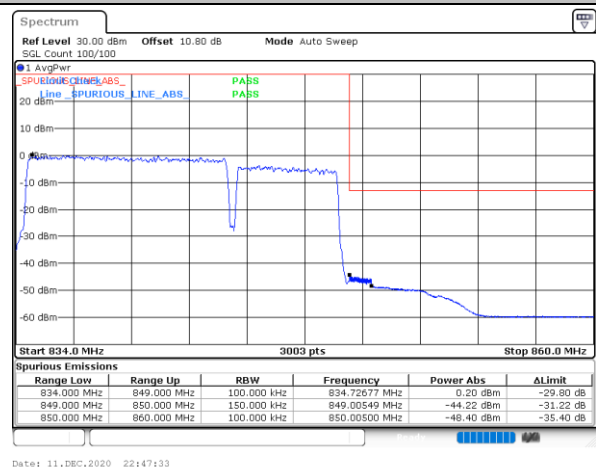
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

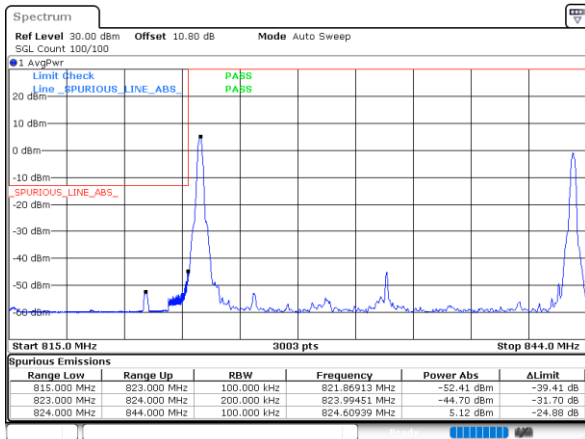




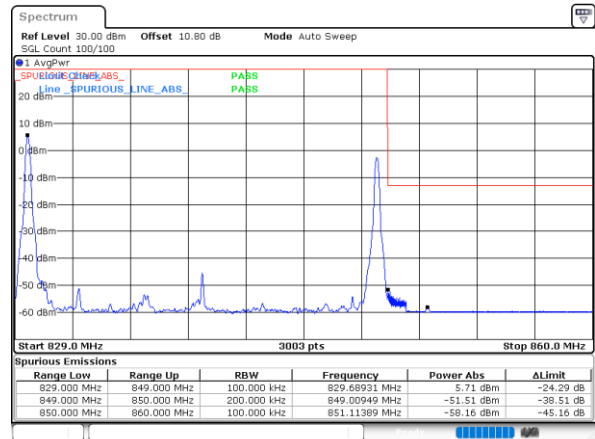
## LTE Band 5B / 10MHz+10MHz

## QPSK

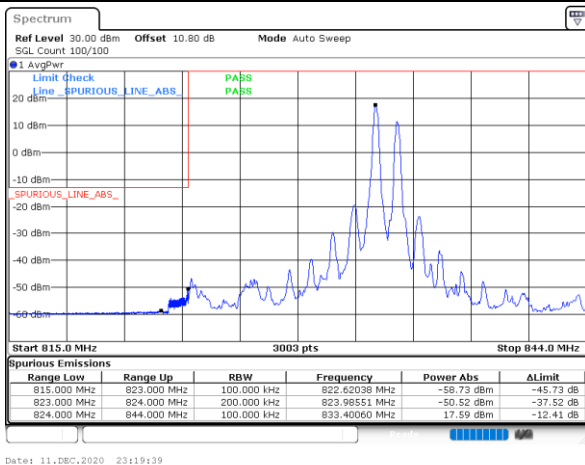
## Lowest Band Edge / 1RB0 and 1RB49



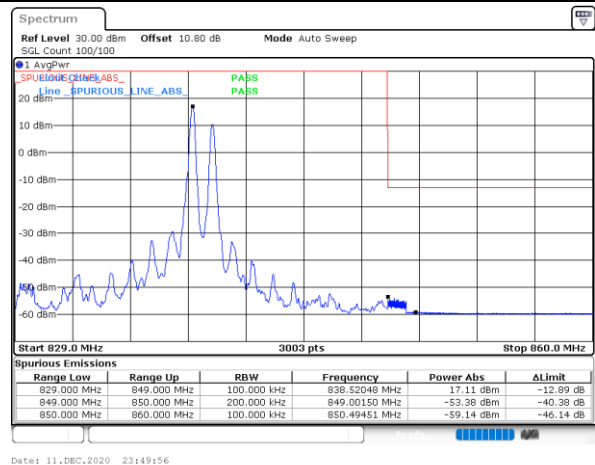
## Highest Band Edge / 1RB0 and 1RB49



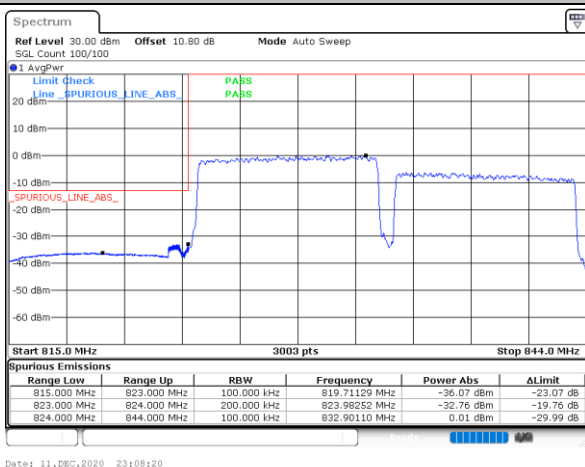
## Lowest Band Edge / 1RB49 and 1RB0



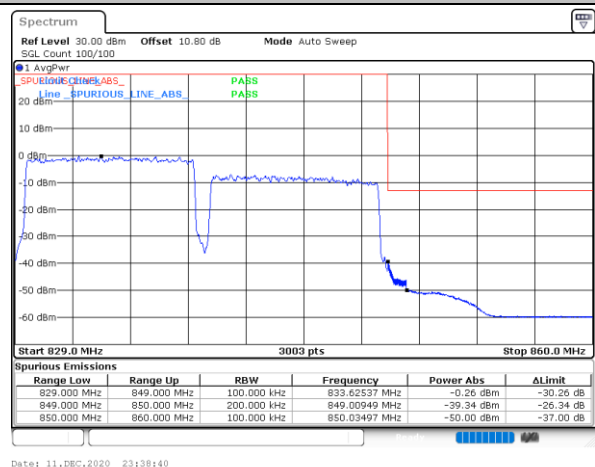
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

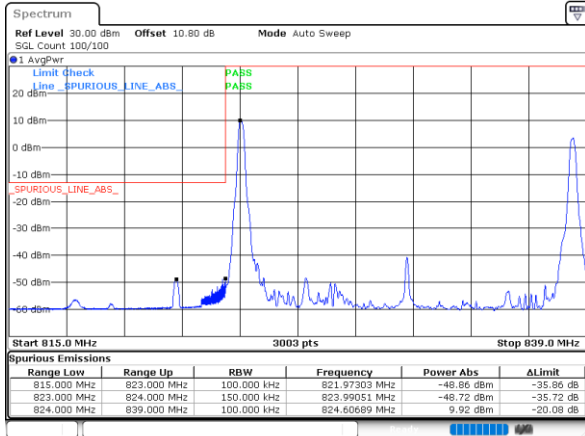




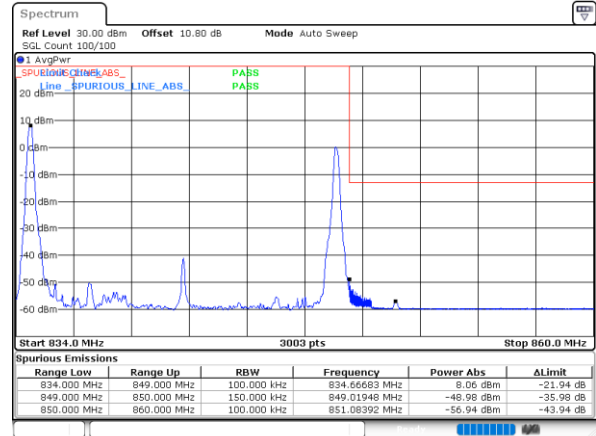
## LTE Band 5B / 5MHz+10MHz

## 16QAM

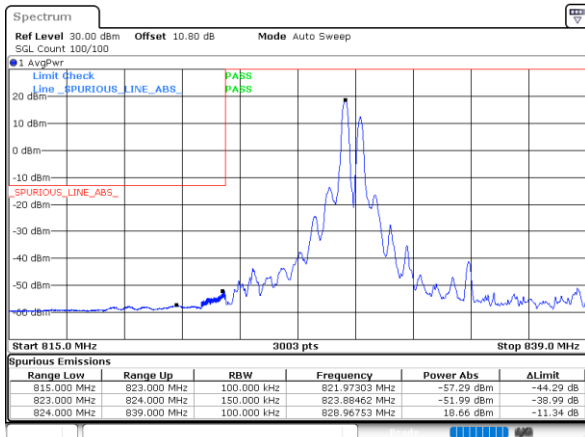
## Lowest Band Edge / 1RB0 and 1RB49



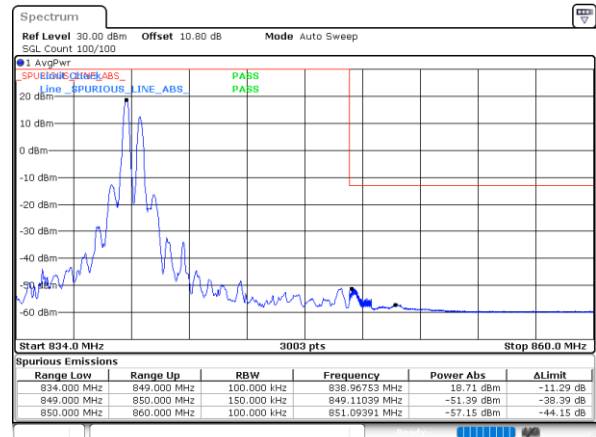
## Highest Band Edge / 1RB0 and 1RB49



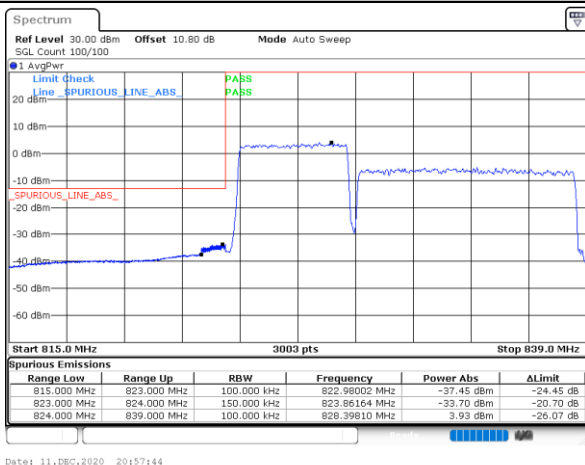
## Lowest Band Edge / 1RB24 and 1RB0



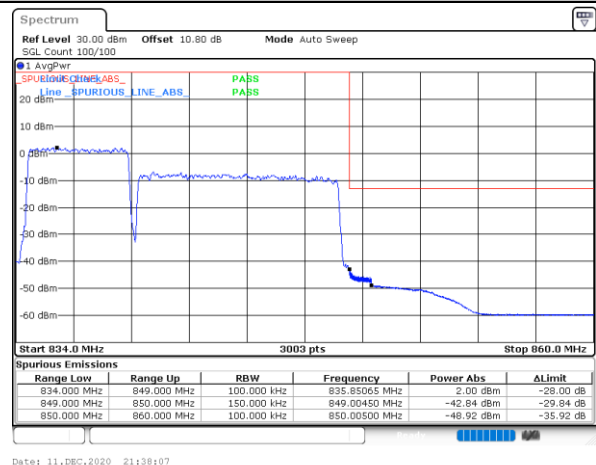
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

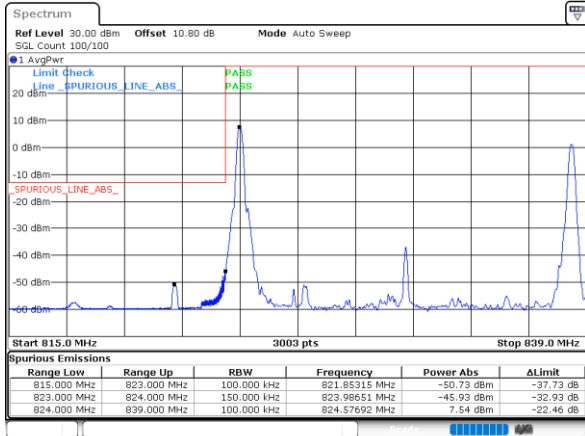




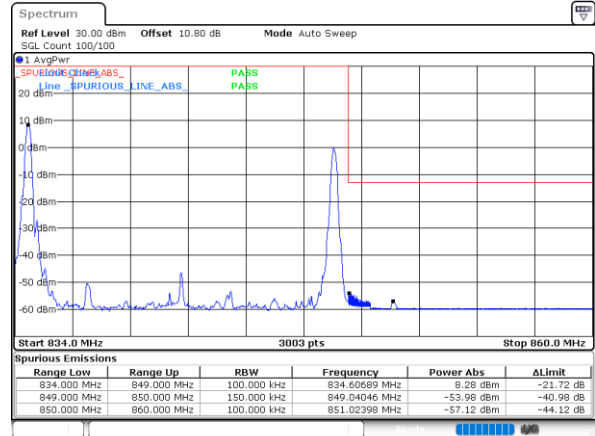
## LTE Band 5B / 10MHz+5MHz

## 16QAM

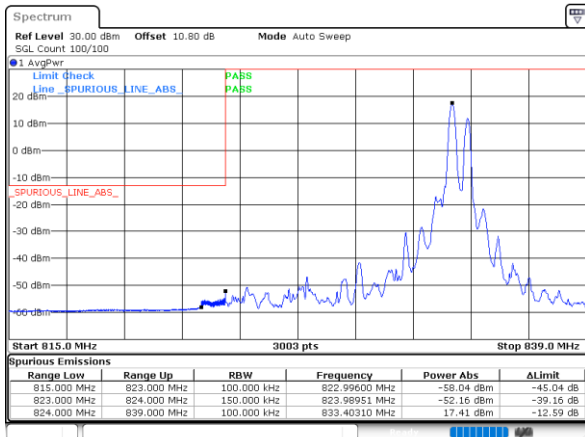
## Lowest Band Edge / 1RB0 and 1RB24



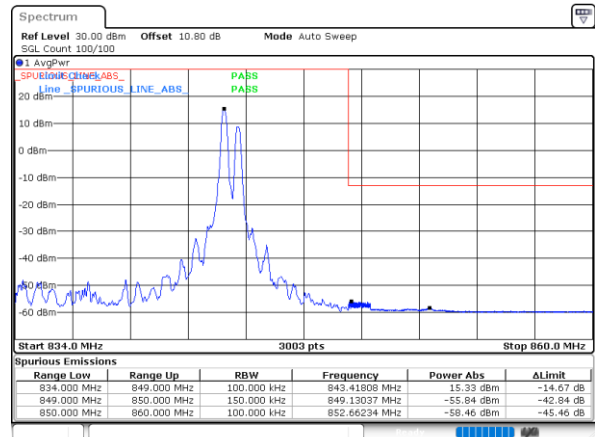
## Highest Band Edge / 1RB0 and 1RB24



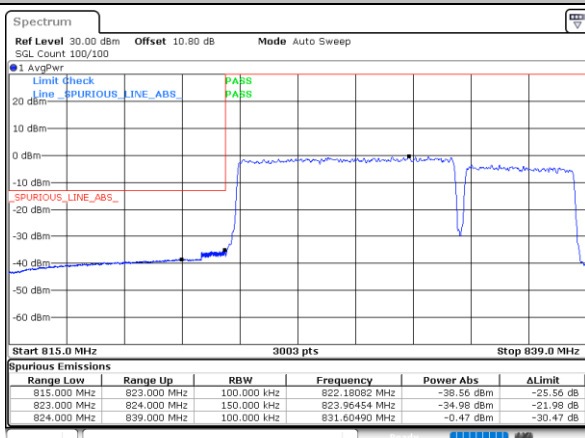
## Lowest Band Edge / 1RB49 and 1RB0



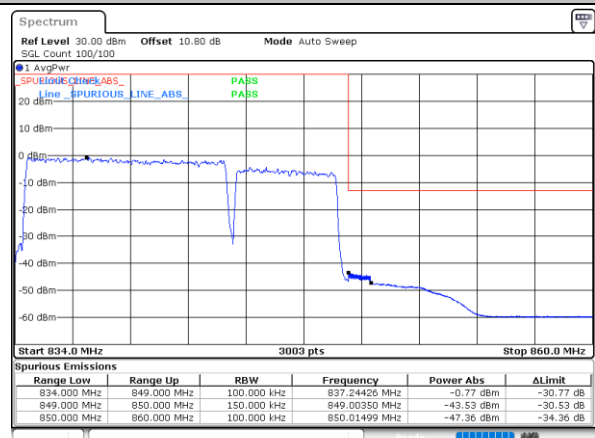
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

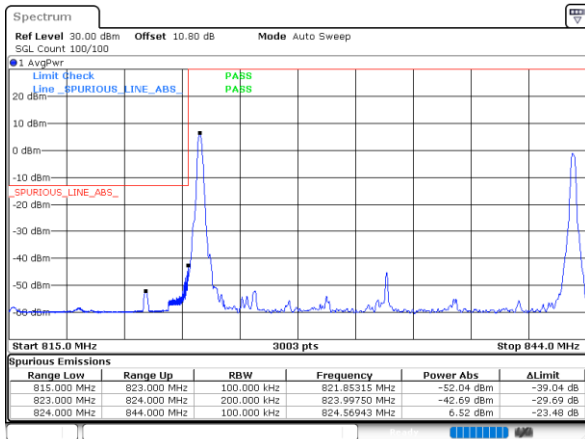




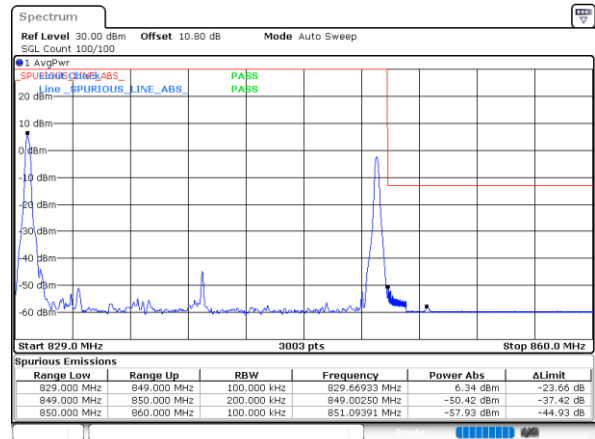
## LTE Band 5B / 10MHz+10MHz

## 16QAM

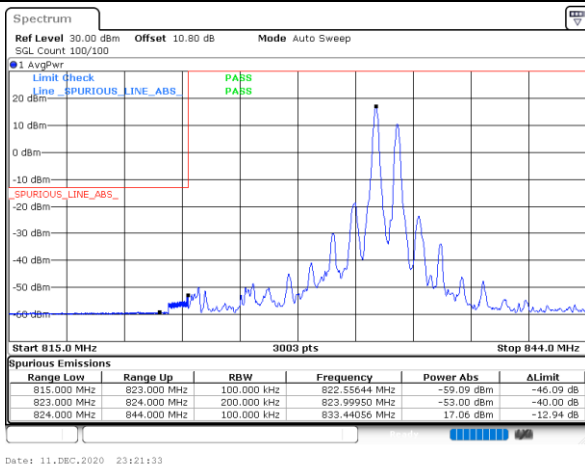
## Lowest Band Edge / 1RB0 and 1RB49



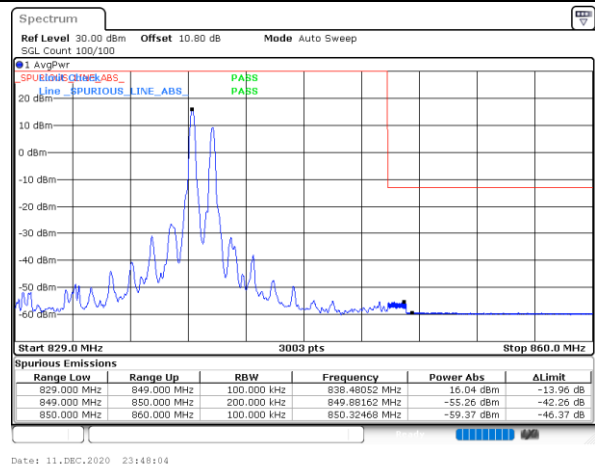
## Highest Band Edge / 1RB0 and 1RB49



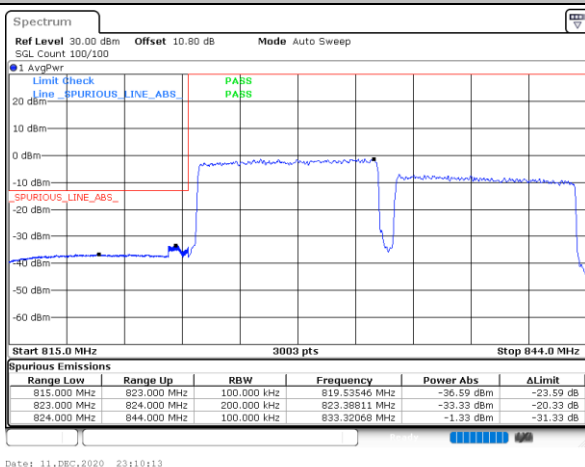
## Lowest Band Edge / 1RB49 and 1RB0



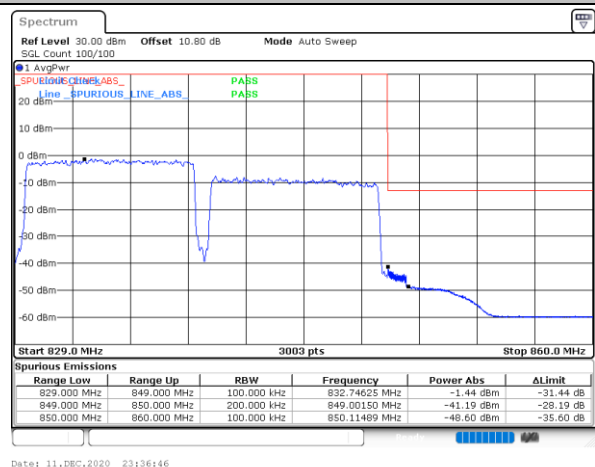
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

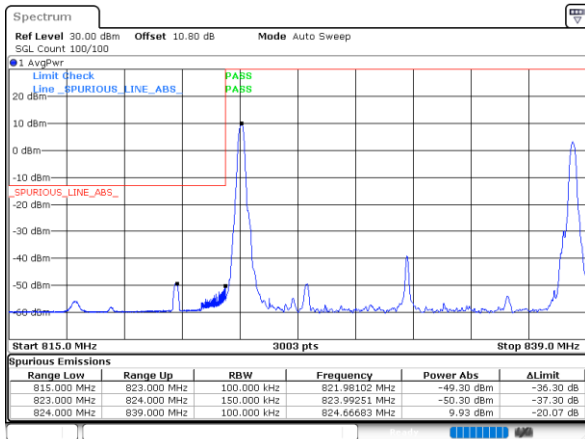




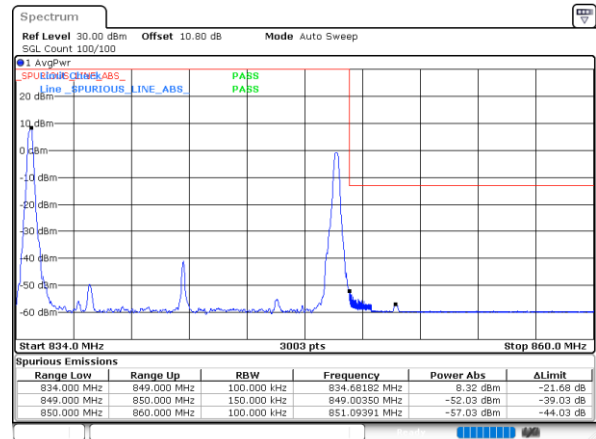
## LTE Band 5B / 5MHz+10MHz

## 64QAM

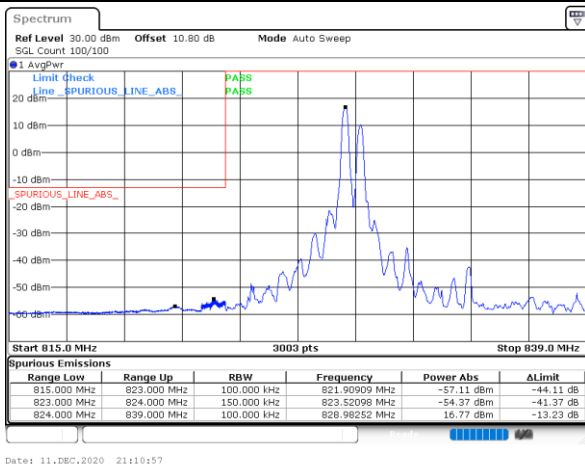
## Lowest Band Edge / 1RB0 and 1RB49



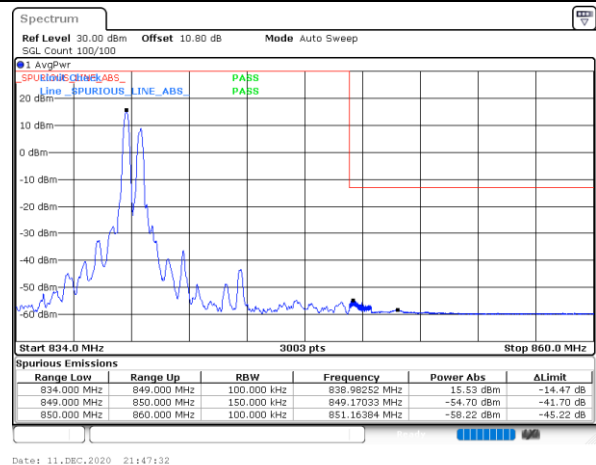
## Highest Band Edge / 1RB0 and 1RB49



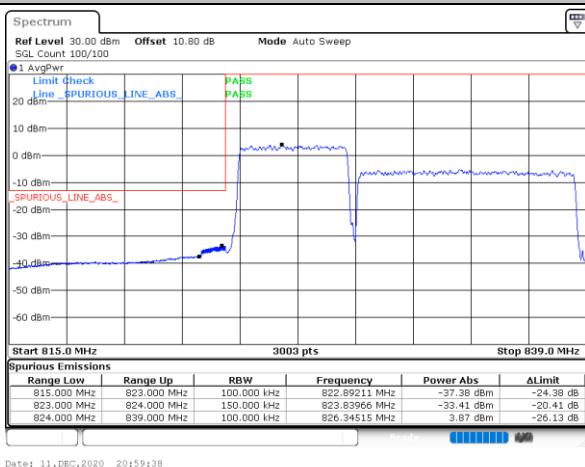
## Lowest Band Edge / 1RB24 and 1RB0



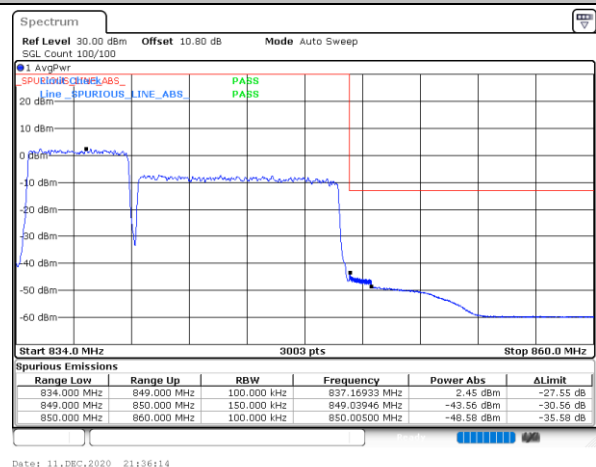
## Highest Band Edge / 1RB24 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

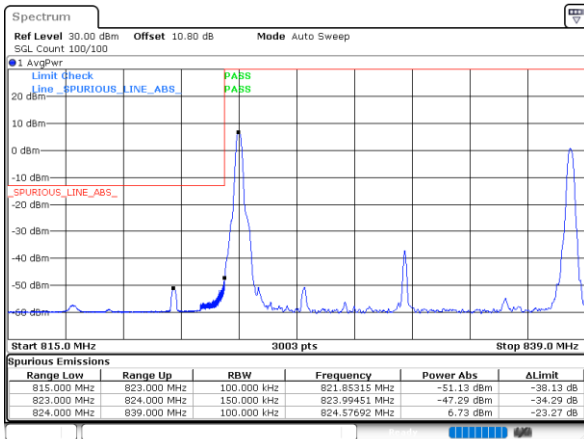




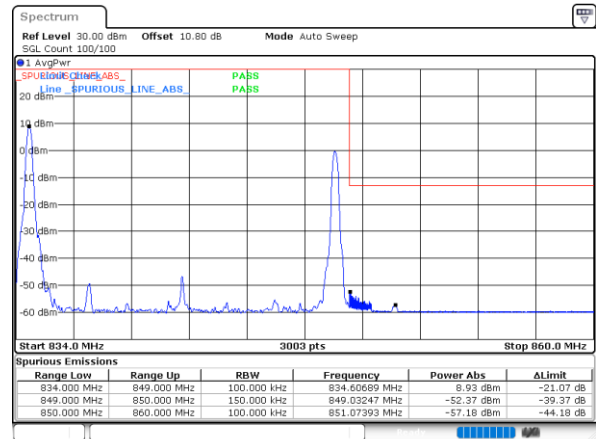
## LTE Band 5B / 10MHz+5MHz

## 64QAM

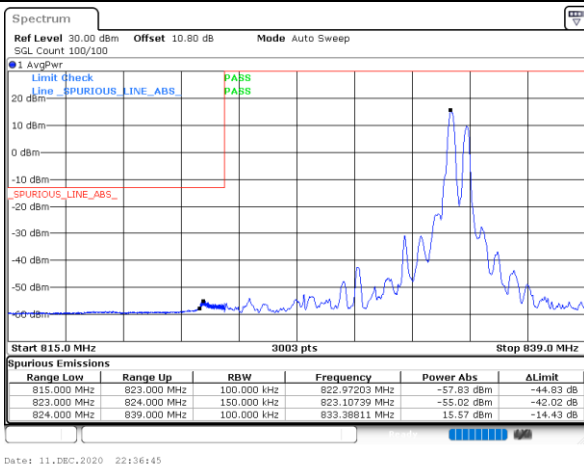
## Lowest Band Edge / 1RB0 and 1RB24



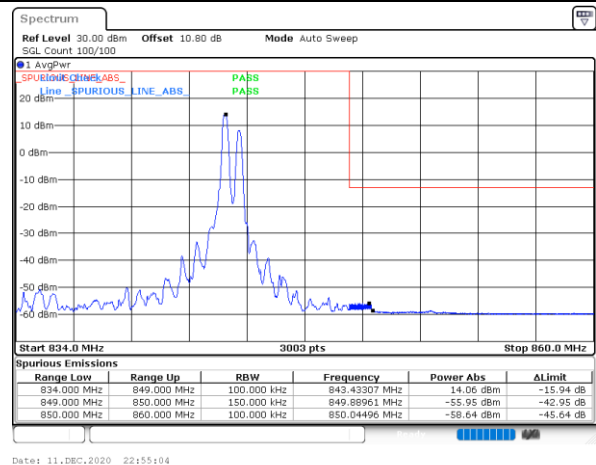
## Highest Band Edge / 1RB0 and 1RB24



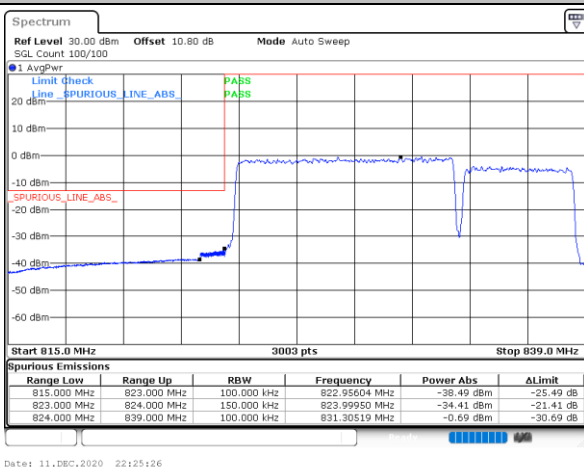
## Lowest Band Edge / 1RB49 and 1RB0



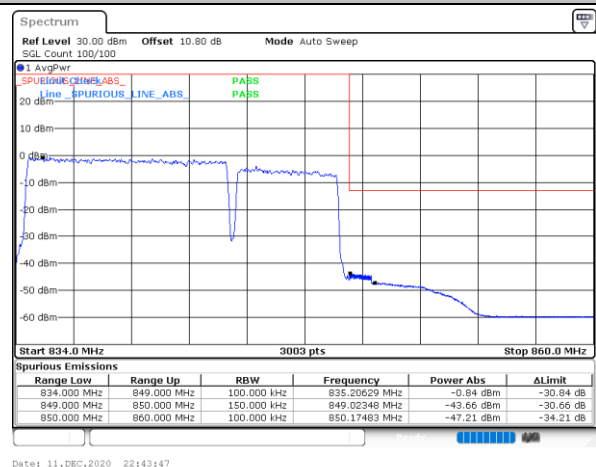
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

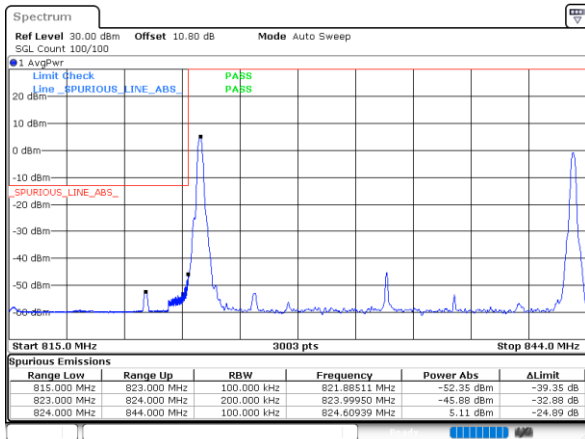




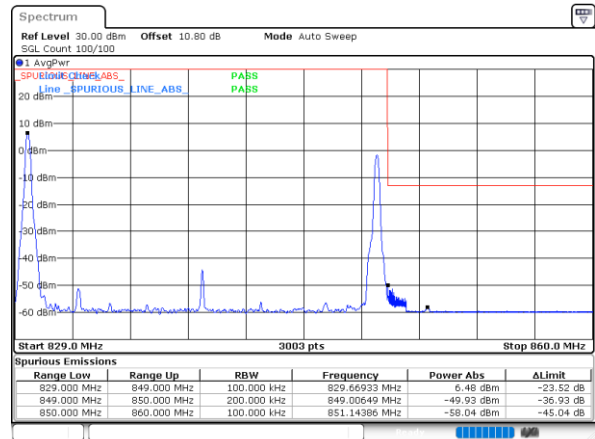
## LTE Band 5B / 10MHz+10MHz

## 64QAM

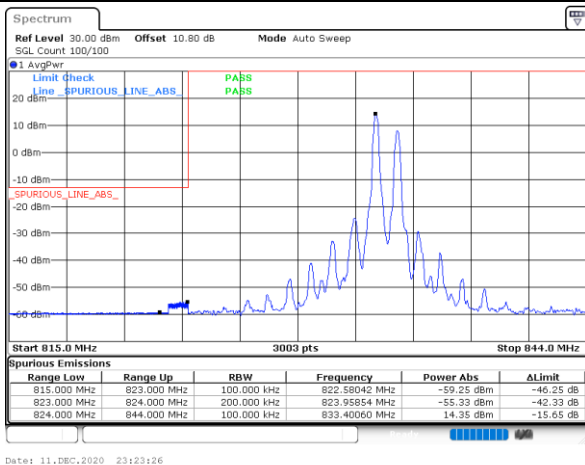
## Lowest Band Edge / 1RB0 and 1RB49



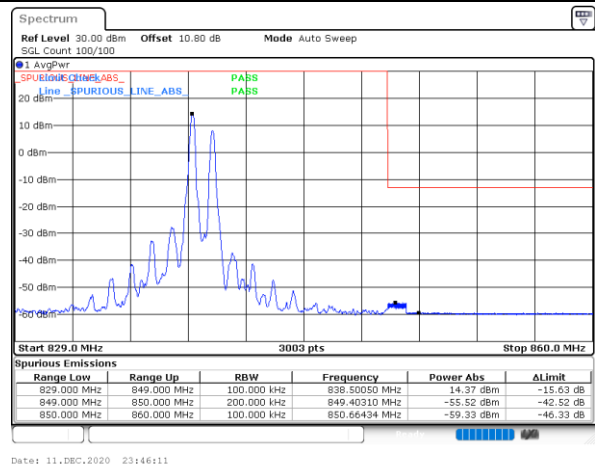
## Highest Band Edge / 1RB0 and 1RB49



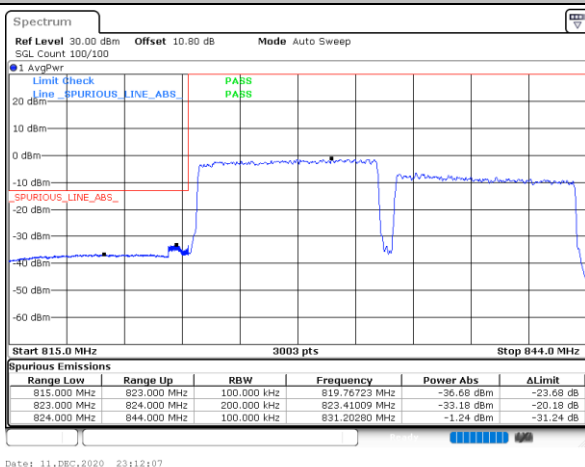
## Lowest Band Edge / 1RB49 and 1RB0



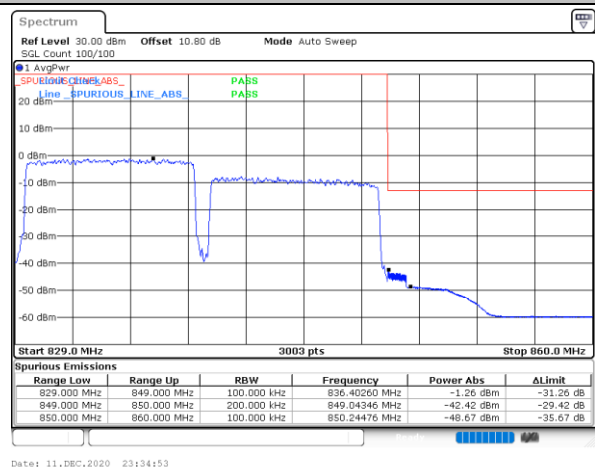
## Highest Band Edge / 1RB49 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





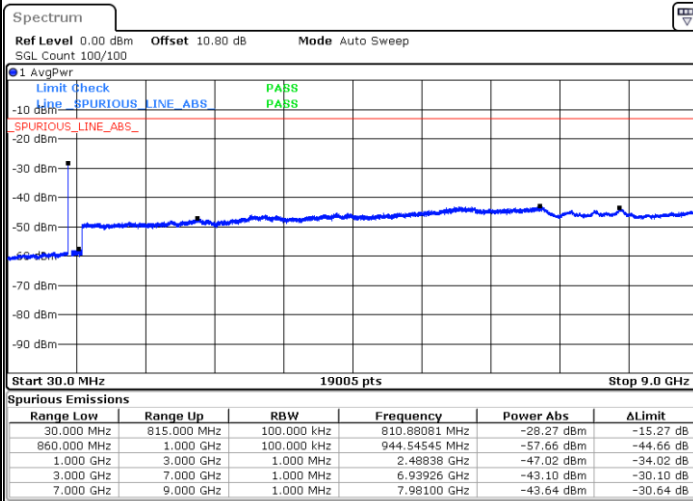
# Conducted Spurious Emission

## LTE Band 5B / 5MHz+10MHz

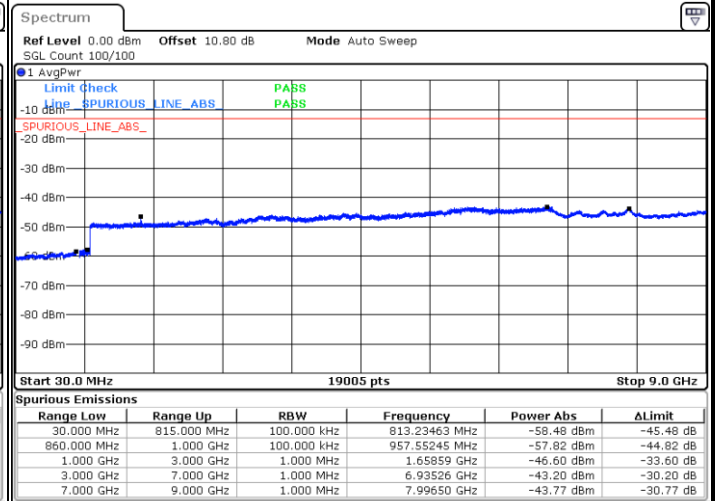
### QPSK

#### Lowest Channel / 1RB0 and 1RB49

#### Lowest Channel / 1RB24 and 1RB0



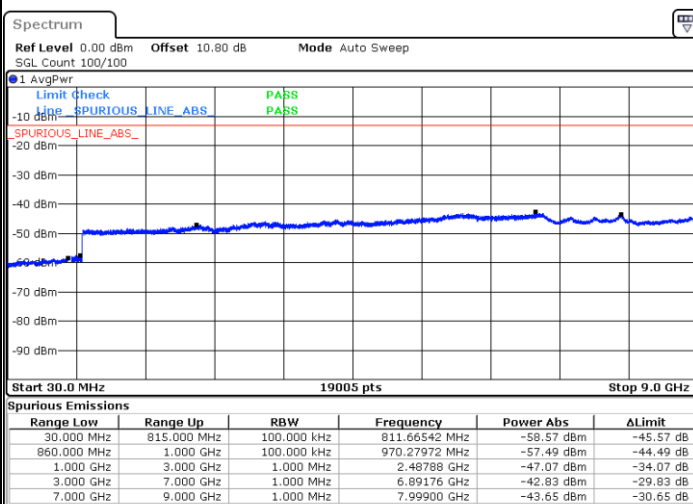
Date: 11.DEC.2020 21:12:32



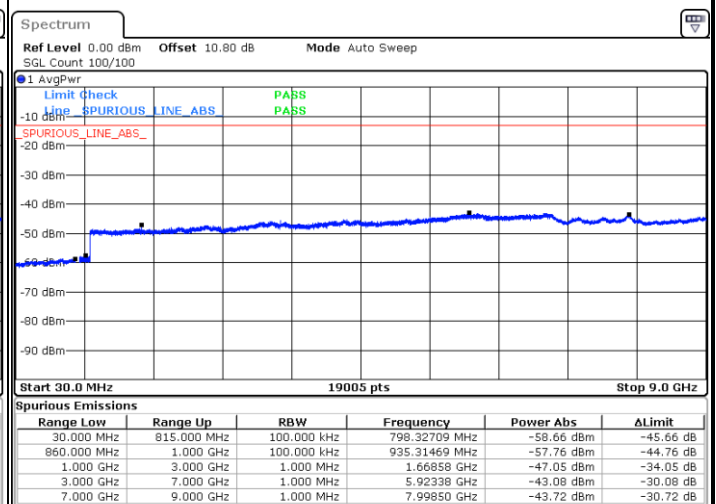
Date: 11.DEC.2020 21:11:45

#### Middle Channel / 1RB0 and 1RB49

#### Middle Channel / 1RB24 and 1RB0



Date: 11.DEC.2020 21:31:11

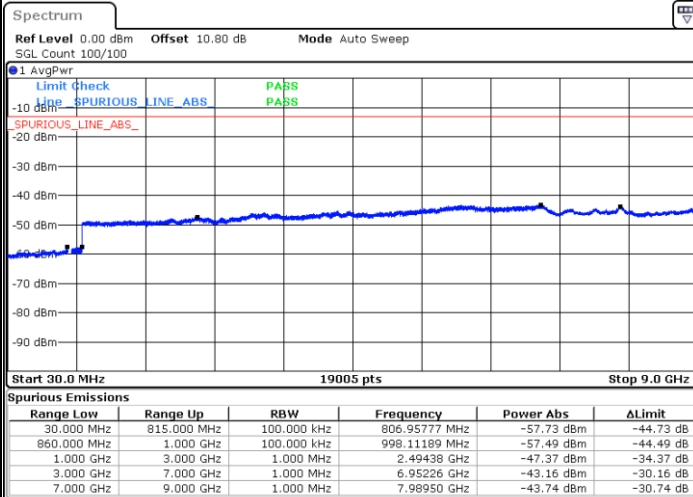


Date: 11.DEC.2020 21:31:58

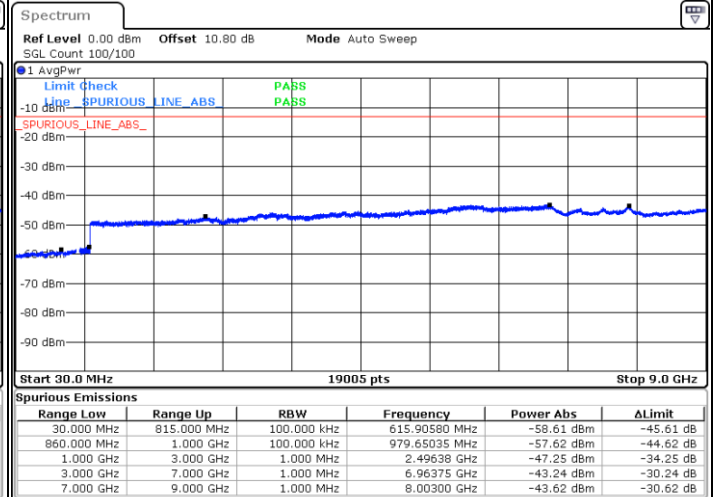


## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB24 and 1RB0



Date: 11.DEC.2020 21:52:52



Date: 11.DEC.2020 21:52:05

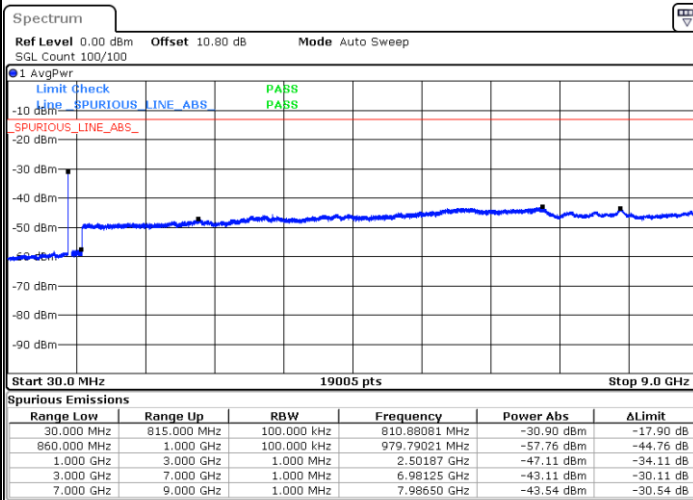


## LTE Band 5B / 10MHz+5MHz

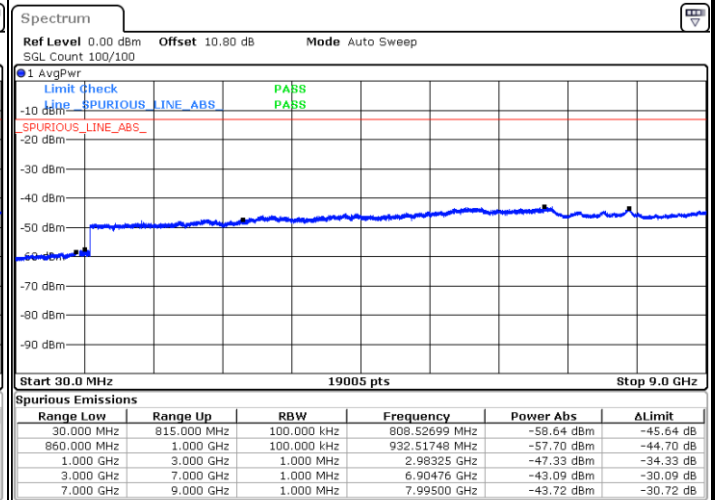
## QPSK

## Lowest Channel / 1RB0 and 1RB24

## Lowest Channel / 1RB49 and 1RB0



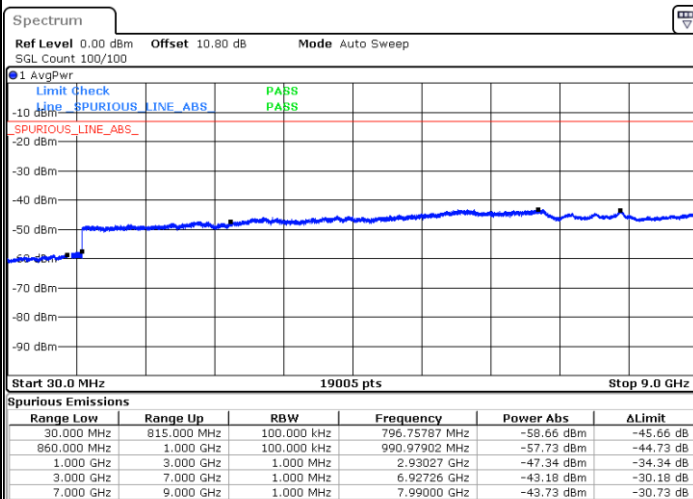
Date: 11.DEC.2020 22:38:20



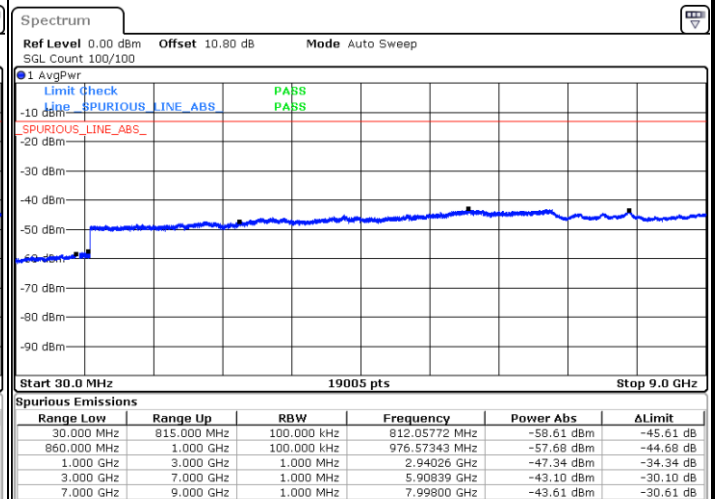
Date: 11.DEC.2020 22:37:33

## Middle Channel / 1RB0 and 1RB24

## Middle Channel / 1RB49 and 1RB0



Date: 11.DEC.2020 22:10:51

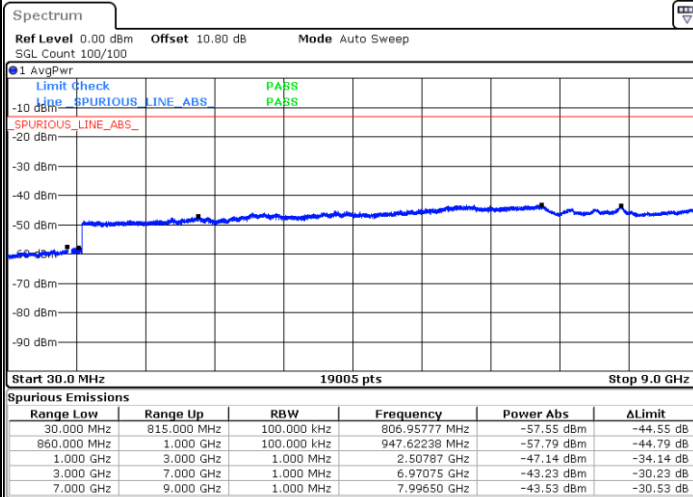


Date: 11.DEC.2020 22:11:38

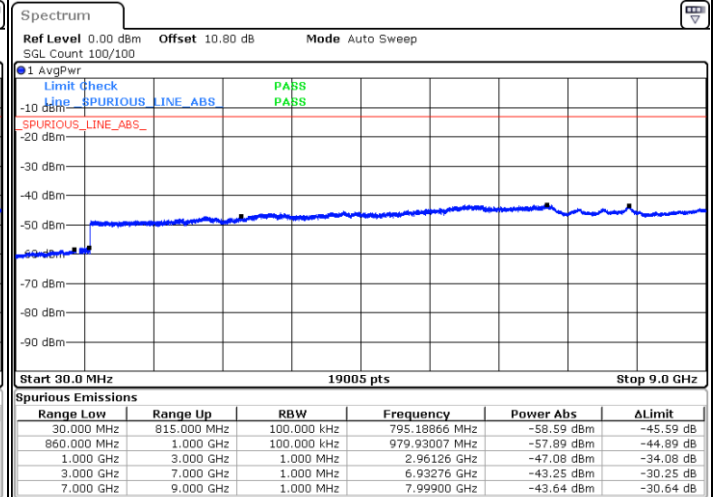


## Highest Channel / 1RB0 and 1RB24

## Highest Channel / 1RB49 and 1RB0



Date: 11.DEC.2020 23:00:24



Date: 11.DEC.2020 22:59:37

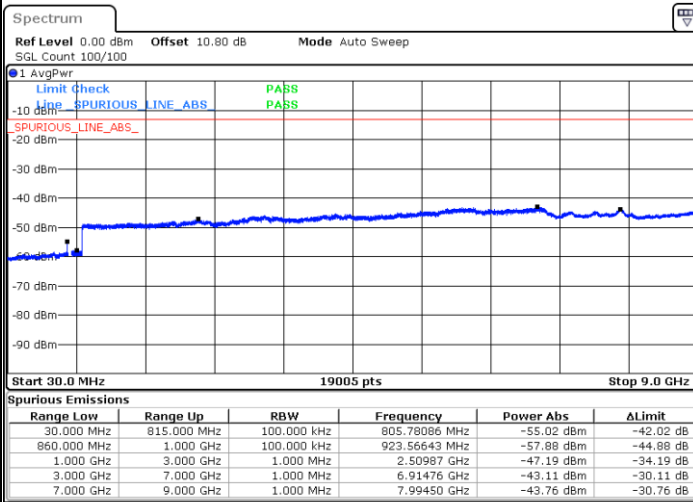


## LTE Band 5B / 10MHz+10MHz

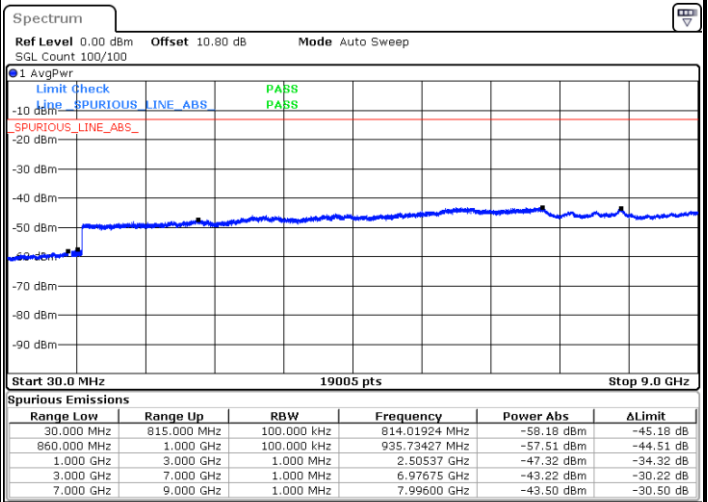
## QPSK

## Lowest Channel / 1RB0 and 1RB49

## Lowest Channel / 1RB49 and 1RB0



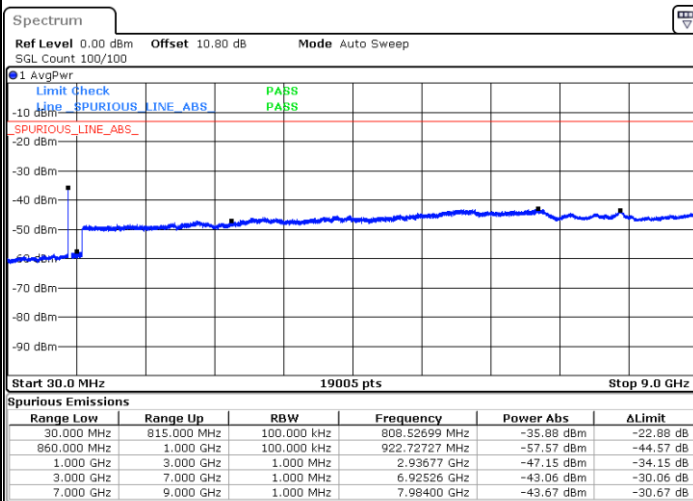
Date: 11.DEC.2020 23:25:01



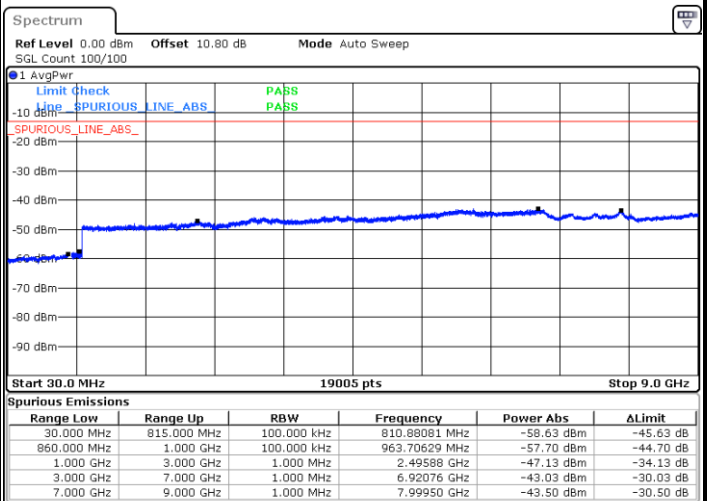
Date: 11.DEC.2020 23:24:14

## Middle Channel / 1RB0 and 1RB49

## Middle Channel / 1RB49 and 1RB0



Date: 11.DEC.2020 23:29:54

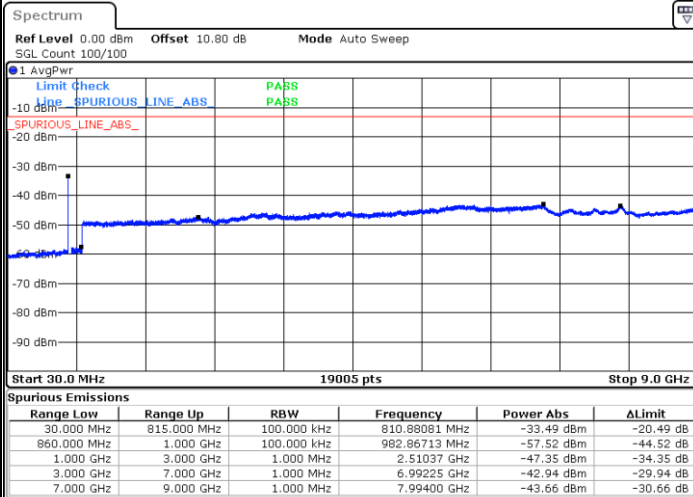


Date: 11.DEC.2020 23:30:41

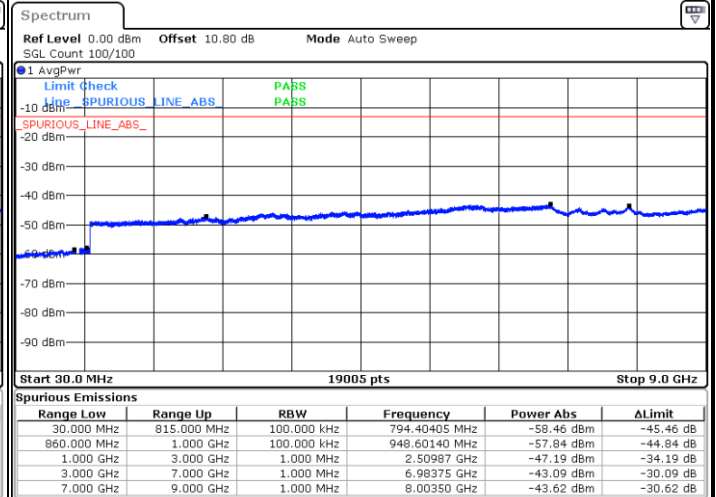


## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB49 and 1RB0



Date: 11.DEC.2020 23:51:31



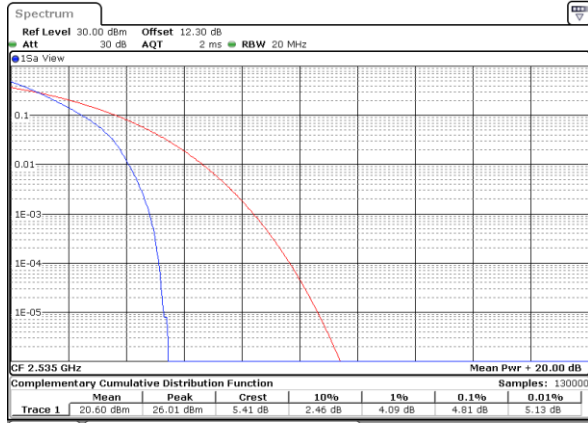
Date: 11.DEC.2020 23:50:43



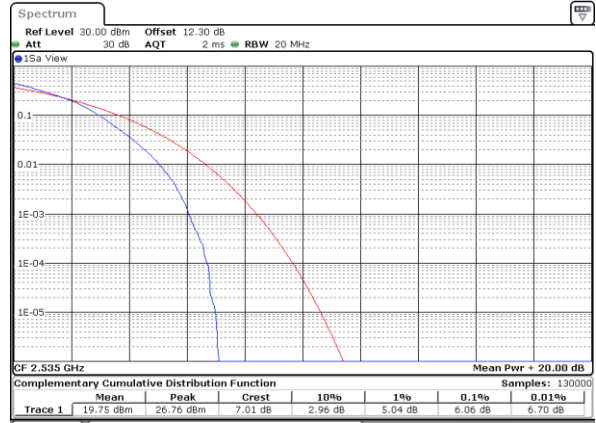
## LTE Band 7

### Peak-to-Average Ratio

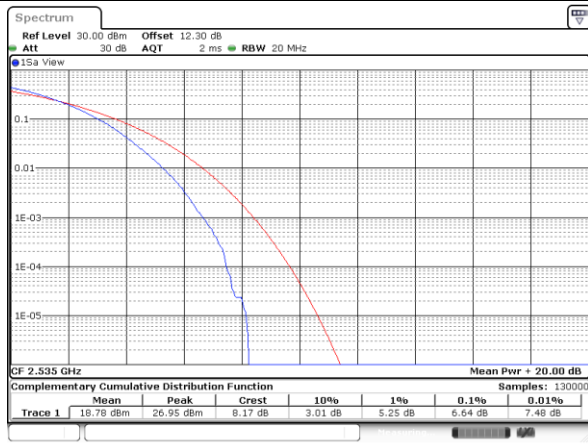
| Mode      | LTE Band 7 / 20MHz |         |         |             |
|-----------|--------------------|---------|---------|-------------|
| Mod.      | QPSK               | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB            | Full RB | Full RB | Result      |
| Middle CH | 4.81               | 6.06    | 6.64    | PASS        |

**LTE Band 7 / 20MHz / QPSK**
**Middle Channel / Full RB**


Date: 13.DEC.2020 08:43:46

**LTE Band 7 / 20MHz / 16QAM**
**Middle Channel / Full RB**


Date: 13.DEC.2020 08:43:33

**LTE Band 7 / 20MHz / 64QAM**
**Middle Channel / Full RB**


Date: 13.DEC.2020 08:44:00

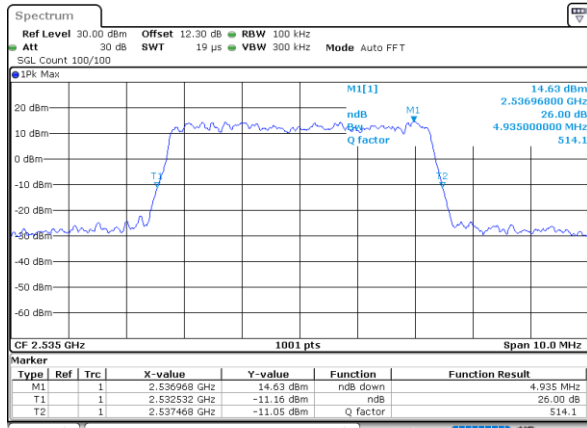
**26dB Bandwidth**

| Mode      | LTE Band 7 : 26dB BW(MHz) |         |       |         |       |         |       |         |       |         |       |         |
|-----------|---------------------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| BW        | 1.4MHz                    |         | 3MHz  |         | 5MHz  |         | 10MHz |         | 15MHz |         | 20MHz |         |
| Mod.      | QPSK                      | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   | QPSK  | 16QAM   |
| Middle CH | -                         | -       | -     | -       | 4.94  | 4.91    | 9.93  | 9.81    | 14.57 | 14.39   | 18.86 | 19.18   |
| Mode      | LTE Band 7 : 26dB BW(MHz) |         |       |         |       |         |       |         |       |         |       |         |
| BW        | 1.4MHz                    |         | 3MHz  |         | 5MHz  |         | 10MHz |         | 15MHz |         | 20MHz |         |
| Mod.      | 64QAM                     | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM | 64QAM | 256 QAM |
| Middle CH | -                         | -       | -     | -       | 4.97  | -       | 9.65  | -       | 14.51 | -       | 18.98 | -       |

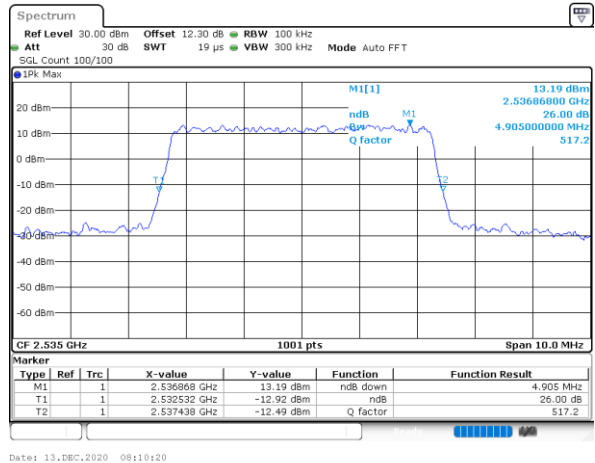


## LTE Band 7

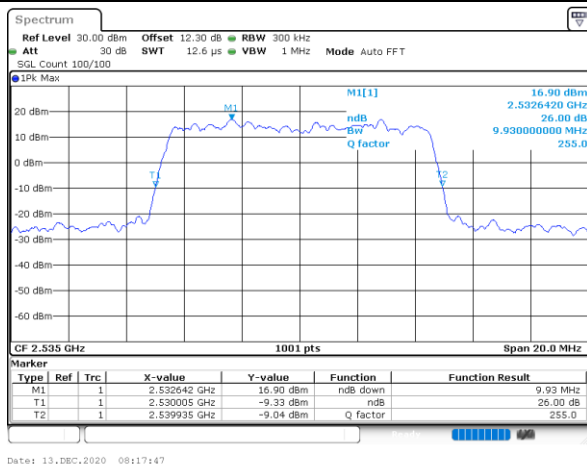
## Middle Channel / 5MHz / QPSK



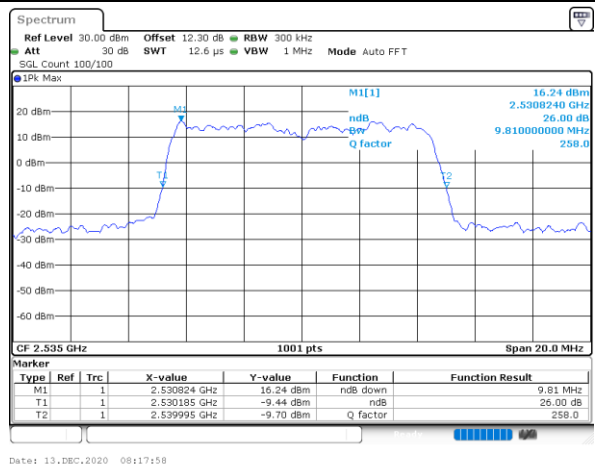
## Middle Channel / 5MHz / 16QAM



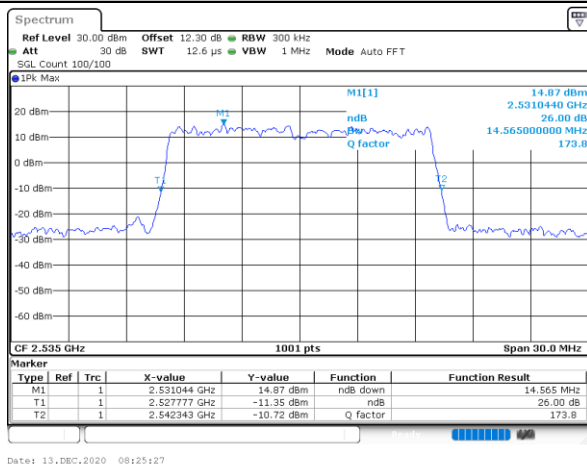
## Middle Channel / 10MHz / QPSK



## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



## Middle Channel / 15MHz / 16QAM

