



# FCC RADIO TEST REPORT

**FCC ID** : PU5-TP00099D  
**Equipment** : Notebook Computer  
**Brand Name** : Lenovo  
**Model Name** : TP00099D  
**Applicant** : Wistron Corporation  
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist,  
New Taipei City 221, Taiwan  
**Manufacturer** : Wistron Corporation  
21F, No. 88, Sec. 1, Hsin Tai Wu Rd., Hsichih Dist,  
New Taipei City 221, Taiwan  
**Standard** : FCC 47 CFR Part 2, 22(H), 24(E), 27

Equipment: Fibocom L860-GL tested inside of Lenovo Notebook Computer.

The product was received on May 07, 2020 and testing was started from May 26, 2020 and completed on Jun. 05, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this partial 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

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## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FG042858B  | 01      | Initial issue of report | Jun. 16, 2020 |
|            |         |                         |               |
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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)                                                                 |                    |          |
|               | §24.232 (c)<br>§27.50 (h)(2)                                                          | Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)                                    |                    |          |
|               | §27.50 (d)(4)                                                                         | Equivalent Isotropic Radiated Power (Band 4) (Band 66)                                                                 |                    |          |
| -             | §24.232 (d)<br>§27.50 (d)(5)                                                          | Peak-to-Average Ratio                                                                                                  | -                  | See Note |
| -             | §2.1049                                                                               | Occupied Bandwidth                                                                                                     | -                  | See Note |
| -             | §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) | -                  | See Note |
|               | §2.1051<br>§27.53 (m)(4)                                                              | Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)                                                           |                    |          |
| -             | §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)     | -                  | See Note |
|               | §2.1051<br>§27.53 (m)(4)                                                              | Conducted Spurious Emission (Band 7) (Band 38) (Band 41)                                                               |                    |          |
| -             | §2.1055<br>§22.355<br>§24.235<br>§27.54                                               | Frequency Stability<br>Temperature & Voltage                                                                           | -                  | See Note |

| 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) | Pass               | Under limit<br>7.59 dB at<br>5376.000 MHz |
|                                                                                                                                                                                | §2.1051<br>§27.53 (m)(4)                                                                         | Radiated Spurious Emission<br>(Band 7) (Band 38) (Band 41)                                                                 |                    |                                           |
| <b>Note:</b> The module (Model: L860-GL) makes no difference after verifying output power and Radiated Spurious Emission, this report reuses test data from the module report. |                                                                                                  |                                                                                                                            |                    |                                           |

**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

| Product Feature                 |                     |
|---------------------------------|---------------------|
| Equipment                       | Notebook Computer   |
| Brand Name                      | Lenovo              |
| Model Name                      | TP00099D            |
| FCC ID                          | PU5-TP00099D        |
| EUT supports Radios application | WCDMA/HSPA/LTE/GNSS |
| EUT Stage                       | Production Unit     |

**Remark:**

1. The above EUT's information was declared by manufacturer.
2. Equipment: Fibocom L860-GL tested inside of Lenovo Notebook Computer.

| Antenna Information |              |                |           |              |
|---------------------|--------------|----------------|-----------|--------------|
| WWAN                |              |                |           | 3G&LTE (dBi) |
| Antenna             | Manufacturer | WNC            | Peak gain | 1.66         |
|                     | Part number  | 025.901ML.0001 | Type      | PIFA         |

## 1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tx Frequency</b>                     | LTE Band 2: 1850.7 MHz ~ 1909.3 MHz<br>LTE Band 4: 1710.7 MHz ~ 1754.3 MHz<br>LTE Band 5: 824.7 MHz ~ 848.3 MHz<br>LTE Band 7: 2502.5 MHz ~ 2567.5 MHz<br>LTE Band 12: 699.7 MHz ~ 715.3 MHz<br>LTE Band 13: 779.5 MHz ~ 784.5 MHz<br>LTE Band 17 : 706.5 MHz ~ 713.5 MHz<br>LTE Band 25: 1850.7 MHz ~ 1914.3 MHz<br>LTE Band 26: 824.7 MHz ~ 848.3 MHz<br>LTE Band 38: 2572.5 MHz ~ 2617.5 MHz<br>LTE Band 41: 2498.5 MHz ~ 2687.5 MHz<br>LTE Band 66: 1710.7 MHz ~ 1779.3 MHz                                                                                                              |
| <b>Rx Frequency</b>                     | LTE Band 2: 1930.7 MHz ~ 1989.3 MHz<br>LTE Band 4: 2110.7 MHz ~ 2154.3 MHz<br>LTE Band 5: 869.7 MHz ~ 893.3 MHz<br>LTE Band 7: 2622.5 MHz ~ 2687.5 MHz<br>LTE Band 12: 729.7 MHz ~ 745.3 MHz<br>LTE Band 13: 748.5 MHz ~ 753.5 MHz<br>LTE Band 17 : 736.5 MHz ~ 743.5 MHz<br>LTE Band 25: 1930.7 MHz ~ 1994.3 MHz<br>LTE Band 26: 869.7 MHz ~ 893.3 MHz<br>LTE Band 38: 2572.5 MHz ~ 2617.5 MHz<br>LTE Band 41: 2498.5 MHz ~ 2687.5 MHz<br>LTE Band 66: 2110.7 MHz ~ 2199.3 MHz                                                                                                              |
| <b>Bandwidth</b>                        | LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 13: 5MHz / 10MHz<br>LTE Band 17: 5MHz / 10MHz<br>LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 26: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz<br>LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 66: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz |
| <b>Maximum Output Power to Antenna</b>  | LTE Band 2: 23.61 dBm<br>LTE Band 4: 23.78 dBm<br>LTE Band 5: 23.43 dBm<br>LTE Band 7: 23.50 dBm<br>LTE Band 12: 23.24 dBm<br>LTE Band 13: 23.28 dBm<br>LTE Band 17: 23.14 dBm<br>LTE Band 25: 23.77 dBm<br>LTE Band 26: 23.41 dBm<br>LTE Band 38: 23.58 dBm<br>LTE Band 41: 23.64 dBm<br>LTE Band 66: 23.78 dBm                                                                                                                                                                                                                                                                             |
| <b>Type of Modulation</b>               | QPSK / 16QAM / 64QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### 1.3 Modification of EUT

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

### 1.4 Testing Location

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory |
| Test Site Location | No.52 , Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan          |
| Test Site No.      | <b>Sporton Site No.</b>                                             |
|                    | TH05-HY                                                             |
| Test Engineer      | Jacky Wang                                                          |
| Temperature        | 23~25°C                                                             |
| Relative Humidity  | 52~55%                                                              |

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

|                    |                                                                                |
|--------------------|--------------------------------------------------------------------------------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory            |
| Test Site Location | No.58 , Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan |
| Test Site No.      | <b>Sporton Site No.</b>                                                        |
|                    | 03CH12-HY                                                                      |
| Test Engineer      | JC Liang                                                                       |
| Temperature        | 24~26°C                                                                        |
| Relative Humidity  | 65~70%                                                                         |

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

FCC Designation No.: TW1190 and TW0007

### 1.5 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. The TAF code is not including all the FCC KDB listed without accreditation.

## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

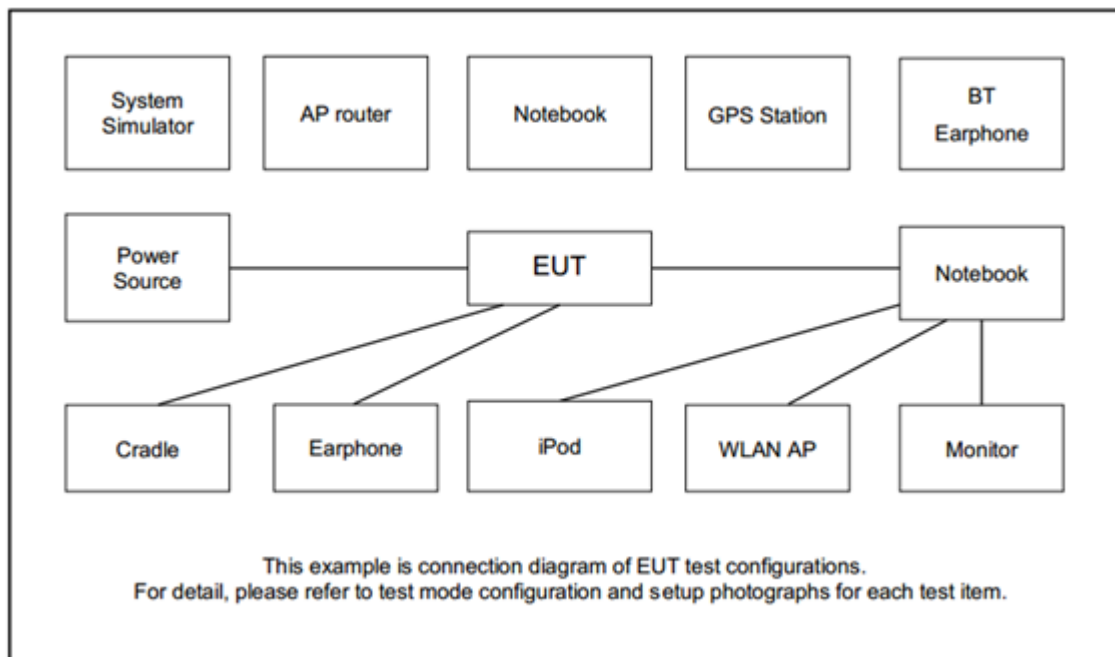
Antenna port conducted and radiated test items listed below are performed according to KDB 971168

D01 Power Meas. License Digital Systems v03r01 with maximum output power.

| 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.<br>Output<br>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 |
|                         | 38   | -               | - | 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 |

| 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 |
| E.R.P /<br>E.I.R.P               | 2                                                                                                                                                                                                                                                                                                                                                                                  | v               | v | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |
|                                  | 4                                                                                                                                                                                                                                                                                                                                                                                  | v               | v | v | v  | v  | v  | v          | v     | v     | v    |      |      | v            | v | v |
|                                  | 5                                                                                                                                                                                                                                                                                                                                                                                  | v               | v | v | v  | -  | -  | v          | v     | v     | v    |      |      | v            | v | v |
|                                  | 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                                                                                                                                                                                                                                                                                                                                                                                 | -               | - | v | v  | -  | -  | v          | v     | v     | v    |      |      | v            | v | v |
|                                  | 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 |
|                                  | 38                                                                                                                                                                                                                                                                                                                                                                                 | -               | - | 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 |
| Radiated<br>Spurious<br>Emission | 13                                                                                                                                                                                                                                                                                                                                                                                 | Worst Case      |   |   |    |    |    |            |       |       |      |      |      | v            | v | v |
|                                  | 41                                                                                                                                                                                                                                                                                                                                                                                 | 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. |                 |   |   |    |    |    |            |       |       |      |      |      |              |   |   |

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

| Item | Equipment        | Trade Name | Model No. | FCC ID       | Data Cable        | Power Cord        |
|------|------------------|------------|-----------|--------------|-------------------|-------------------|
| 1.   | System Simulator | Anritsu    | MT8820C   | N/A          | N/A               | Unshielded, 1.8 m |
| 2.   | iPod Earphone    | Apple      | N/A       | Verification | Unshielded, 1.0 m | N/A               |

## 2.4 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 38 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 37850  | 38000  | 38150   |
|                                        | Frequency              | 2580.0 | 2595.0 | 2610.0  |
| 15                                     | Channel                | 37825  | 38000  | 38175   |
|                                        | Frequency              | 2577.5 | 2595.0 | 2612.5  |
| 10                                     | Channel                | 37800  | 38000  | 38200   |
|                                        | Frequency              | 2575.0 | 2595.0 | 2615.0  |
| 5                                      | Channel                | 37775  | 38000  | 38225   |
|                                        | Frequency              | 2572.5 | 2595.0 | 2617.5  |

| LTE Band 41 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 39750  | 40620  | 41490   |
|                                        | Frequency              | 2506.0 | 2593.0 | 2680.0  |
| 15                                     | Channel                | 39725  | 40620  | 41515   |
|                                        | Frequency              | 2503.5 | 2593.0 | 2682.5  |
| 10                                     | Channel                | 39700  | 40620  | 41540   |
|                                        | Frequency              | 2501.0 | 2593.0 | 2685.0  |
| 5                                      | Channel                | 39675  | 40620  | 41565   |
|                                        | Frequency              | 2498.5 | 2593.0 | 2687.5  |

| 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  |

### 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 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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 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.

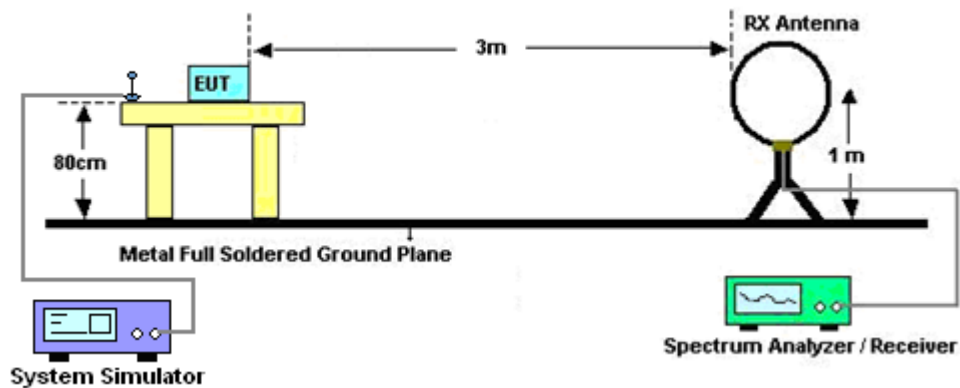
## 4 Radiated Test Items

### 4.1 Measuring Instruments

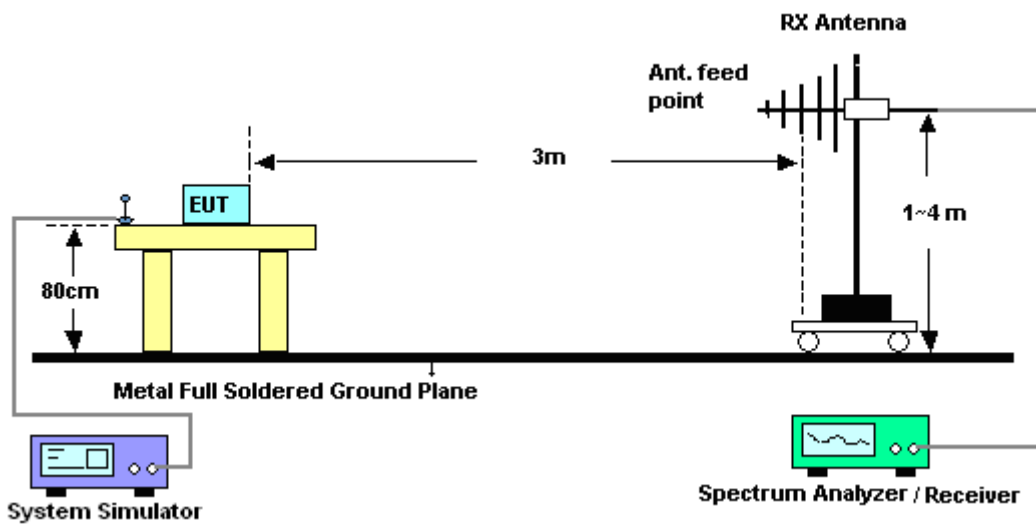
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

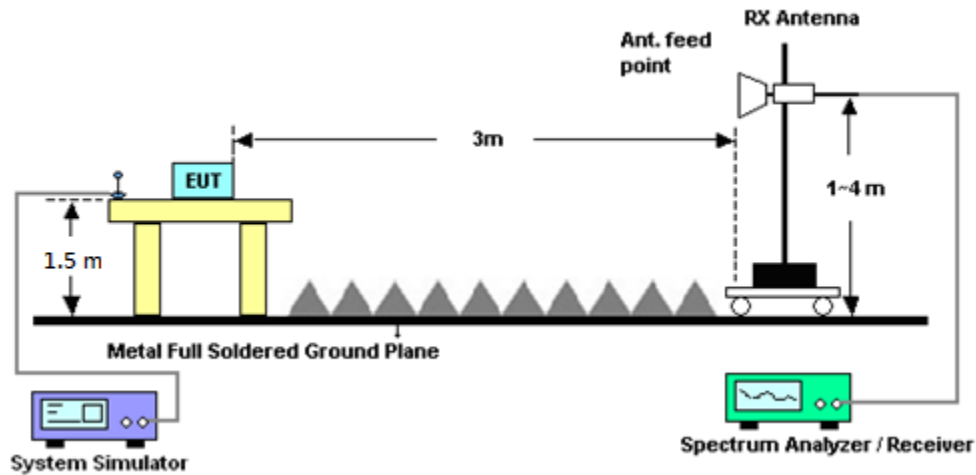
For radiated emissions below 30MHz



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 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 41

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

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



## 5 List of Measuring Equipment

| Instrument             | Manufacturer    | Model No.                  | Serial No.  | Characteristics                                                  | Calibration Date | Test Date                  | Due Date      | Remark                |
|------------------------|-----------------|----------------------------|-------------|------------------------------------------------------------------|------------------|----------------------------|---------------|-----------------------|
| LTE Base Station       | Anritsu         | MT8820C                    | 6201107509  | -                                                                | Jul. 03, 2019    | May 26, 2020               | Jul. 02, 2020 | Conducted (TH05-HY)   |
| Loop Antenna           | Rohde & Schwarz | HFH2-Z2                    | 100315      | 9 kHz~30 MHz                                                     | Dec. 26, 2019    | May 30, 2020~Jun. 05, 2020 | Dec. 25, 2020 | Radiation (03CH12-HY) |
| Bilog Antenna          | TESEQ           | CBL 6111D & 00800N1D01N-06 | 37059 & 01  | 30MHz~1GHz                                                       | Oct. 12, 2019    | May 30, 2020~Jun. 05, 2020 | Oct. 11, 2020 | Radiation (03CH12-HY) |
| Horn Antenna           | SCHWARZBECK     | BBHA 9120D                 | 9120D-1328  | 1GHz ~ 18GHz                                                     | Nov. 14, 2019    | May 30, 2020~Jun. 05, 2020 | Nov. 13, 2020 | Radiation (03CH12-HY) |
| Horn Antenna           | SCHWARZBECK     | BBHA 9120D                 | 9120D-1522  | 1GHz ~ 18GHz                                                     | Sep. 19, 2019    | May 30, 2020~Jun. 05, 2020 | Sep. 18, 2020 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna   | SCHWARZBECK     | BBHA 9170                  | BBHA9170584 | 18GHz ~ 40GHz                                                    | Dec. 10, 2019    | May 30, 2020~Jun. 05, 2020 | Dec. 09, 2020 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna   | SCHWARZBECK     | BBHA 9170                  | BBHA9170980 | 18GHz ~ 40GHz                                                    | Jan. 10, 2019    | May 30, 2020~Jun. 05, 2020 | Jan. 09, 2021 | Radiation (03CH12-HY) |
| Preamplifier           | COM-POWER       | PA-103                     | 161075      | 10MHz~1GHz                                                       | Mar. 25, 2020    | May 30, 2020~Jun. 05, 2020 | Mar. 24, 2021 | Radiation (03CH12-HY) |
| Preamplifier           | Jet-Power       | JPA00101800-30-10P         | 1601180002  | 1GHz~18GHz                                                       | Feb. 07, 2020    | May 30, 2020~Jun. 05, 2020 | Feb. 06, 2021 | Radiation (03CH12-HY) |
| Preamplifier           | EMEC            | EM18G40G                   | 060715      | 18GHz ~ 40GHz                                                    | Dec. 13, 2019    | May 30, 2020~Jun. 05, 2020 | Dec. 12, 2020 | Radiation (03CH12-HY) |
| Preamplifier           | Keysight        | 83017A                     | MY53270148  | 1GHz~26.5GHz                                                     | Dec. 20, 2019    | May 30, 2020~Jun. 05, 2020 | Dec. 19, 2020 | Radiation (03CH12-HY) |
| Signal Analyzer        | Agilent         | N9010A                     | MY53470118  | 10Hz~44GHz                                                       | Mar. 12, 2020    | May 30, 2020~Jun. 05, 2020 | Mar. 11, 2021 | Radiation (03CH12-HY) |
| Signal Generator       | Rohde & Schwarz | SMB100A                    | 101107      | 100kHz~40GHz                                                     | Aug. 27, 2019    | May 30, 2020~Jun. 05, 2020 | Aug. 26, 2020 | Radiation (03CH12-HY) |
| RF Cable               | HUBER + SUHNER  | SUCOFLEX 126E              | 0058/126E   | 30M-18G                                                          | Dec. 12, 2019    | May 30, 2020~Jun. 05, 2020 | Dec. 11, 2020 | Radiation (03CH12-HY) |
| RF Cable               | HUBER + SUHNER  | SUCOFLEX 102               | 505134/2    | 30M~40GHz                                                        | Feb. 25, 2020    | May 30, 2020~Jun. 05, 2020 | Feb. 24, 2021 | Radiation (03CH12-HY) |
| RF Cable               | HUBER + SUHNER  | SUCOFLEX 102               | 800740/2    | 30M~40GHz                                                        | Feb. 25, 2020    | May 30, 2020~Jun. 05, 2020 | Feb. 24, 2021 | Radiation (03CH12-HY) |
| Base Station (Measure) | Rohde & Schwarz | CMU200                     | 122990      | GSM / GPRS / WCDMA                                               | Dec. 09, 2019    | May 30, 2020~Jun. 05, 2020 | Dec. 08, 2020 | Radiation (03CH12-HY) |
| Base Station           | Anritsu         | MT8821C                    | 6201432816  | GSM / GPRS / WCDMA / LTE FDD/TDD with 44) /LTE-3CC DLCA,2CC ULCA | May 05, 2020     | May 30, 2020~Jun. 05, 2020 | May 04, 2021  | Radiation (03CH12-HY) |
| Controller             | EMEC            | EM1000                     | N/A         | Control Turn table & Ant Mast                                    | N/A              | May 30, 2020~Jun. 05, 2020 | N/A           | Radiation (03CH12-HY) |
| Antenna Mast           | EMEC            | AM-BS-4500-B               | N/A         | 1m~4m                                                            | N/A              | May 30, 2020~Jun. 05, 2020 | N/A           | Radiation (03CH12-HY) |
| Turn Table             | EMEC            | TT2000                     | N/A         | 0~360 Degree                                                     | N/A              | May 30, 2020~Jun. 05, 2020 | N/A           | Radiation (03CH12-HY) |
| Software               | Audix           | E3 6.2009-8-24             | RK-000989   | N/A                                                              | N/A              | May 30, 2020~Jun. 05, 2020 | N/A           | Radiation (03CH12-HY) |

## 6 Uncertainty of Evaluation

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

|                                                                          |      |
|--------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 3.24 |
|--------------------------------------------------------------------------|------|

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

|                                                                          |      |
|--------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 3.62 |
|--------------------------------------------------------------------------|------|

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

|                                                                          |      |
|--------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 4.06 |
|--------------------------------------------------------------------------|------|



## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power)

| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 20                                     | 1       | 0         | QPSK   | 23.47  | 23.60  | 23.47   |
| 20                                     | 1       | 49        |        | 23.42  | 23.61  | 23.38   |
| 20                                     | 1       | 99        |        | 23.54  | 23.45  | 23.43   |
| 20                                     | 50      | 0         |        | 22.40  | 22.61  | 22.43   |
| 20                                     | 50      | 24        |        | 22.50  | 22.64  | 22.41   |
| 20                                     | 50      | 50        |        | 22.54  | 22.58  | 22.53   |
| 20                                     | 100     | 0         |        | 22.54  | 22.64  | 22.51   |
| 20                                     | 1       | 0         | 16-QAM | 22.78  | 22.88  | 22.77   |
| 20                                     | 1       | 49        |        | 22.78  | 22.90  | 22.68   |
| 20                                     | 1       | 99        |        | 22.80  | 22.79  | 22.69   |
| 20                                     | 50      | 0         |        | 21.43  | 21.59  | 21.40   |
| 20                                     | 50      | 24        |        | 21.47  | 21.61  | 21.38   |
| 20                                     | 50      | 50        |        | 21.50  | 21.59  | 21.52   |
| 20                                     | 100     | 0         |        | 21.51  | 21.62  | 21.48   |
| 20                                     | 1       | 0         | 64-QAM | 21.71  | 21.79  | 21.64   |
| 20                                     | 1       | 49        |        | 21.66  | 21.78  | 21.58   |
| 20                                     | 1       | 99        |        | 21.69  | 21.68  | 21.70   |
| 20                                     | 50      | 0         |        | 20.39  | 20.62  | 20.40   |
| 20                                     | 50      | 24        |        | 20.48  | 20.64  | 20.43   |
| 20                                     | 50      | 50        |        | 20.48  | 20.59  | 20.56   |
| 20                                     | 100     | 0         |        | 20.53  | 20.63  | 20.52   |
| 15                                     | 1       | 0         | QPSK   | 23.29  | 23.56  | 23.43   |
| 15                                     | 1       | 37        |        | 23.37  | 23.59  | 23.29   |
| 15                                     | 1       | 74        |        | 23.46  | 23.34  | 23.34   |
| 15                                     | 36      | 0         |        | 22.30  | 22.42  | 22.25   |
| 15                                     | 36      | 20        |        | 22.43  | 22.46  | 22.34   |
| 15                                     | 36      | 39        |        | 22.37  | 22.43  | 22.43   |
| 15                                     | 75      | 0         |        | 22.40  | 22.50  | 22.43   |
| 15                                     | 1       | 0         | 16-QAM | 22.64  | 22.87  | 22.70   |
| 15                                     | 1       | 37        |        | 22.61  | 22.85  | 22.67   |
| 15                                     | 1       | 74        |        | 22.61  | 22.77  | 22.55   |
| 15                                     | 36      | 0         |        | 21.39  | 21.41  | 21.36   |
| 15                                     | 36      | 20        |        | 21.47  | 21.52  | 21.36   |
| 15                                     | 36      | 39        |        | 21.49  | 21.43  | 21.52   |
| 15                                     | 75      | 0         |        | 21.36  | 21.60  | 21.37   |
| 15                                     | 1       | 0         | 64-QAM | 21.63  | 21.64  | 21.58   |
| 15                                     | 1       | 37        |        | 21.52  | 21.72  | 21.51   |
| 15                                     | 1       | 74        |        | 21.67  | 21.51  | 21.66   |
| 15                                     | 36      | 0         |        | 20.24  | 20.50  | 20.27   |
| 15                                     | 36      | 20        |        | 20.35  | 20.63  | 20.24   |
| 15                                     | 36      | 39        |        | 20.29  | 20.52  | 20.47   |
| 15                                     | 75      | 0         |        | 20.42  | 20.54  | 20.35   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                     | 1       | 0         | QPSK   | 23.31  | 23.55  | 23.35   |
| 10                                     | 1       | 25        |        | 23.40  | 23.55  | 23.28   |
| 10                                     | 1       | 49        |        | 23.35  | 23.33  | 23.34   |
| 10                                     | 25      | 0         |        | 22.38  | 22.42  | 22.33   |
| 10                                     | 25      | 12        |        | 22.44  | 22.57  | 22.40   |
| 10                                     | 25      | 25        |        | 22.45  | 22.38  | 22.33   |
| 10                                     | 50      | 0         |        | 22.43  | 22.56  | 22.31   |
| 10                                     | 1       | 0         | 16-QAM | 22.66  | 22.82  | 22.66   |
| 10                                     | 1       | 25        |        | 22.70  | 22.71  | 22.61   |
| 10                                     | 1       | 49        |        | 22.64  | 22.72  | 22.53   |
| 10                                     | 25      | 0         |        | 21.38  | 21.52  | 21.30   |
| 10                                     | 25      | 12        |        | 21.35  | 21.61  | 21.37   |
| 10                                     | 25      | 25        |        | 21.31  | 21.46  | 21.51   |
| 10                                     | 50      | 0         |        | 21.40  | 21.62  | 21.45   |
| 10                                     | 1       | 0         | 64-QAM | 21.55  | 21.69  | 21.53   |
| 10                                     | 1       | 25        |        | 21.52  | 21.61  | 21.41   |
| 10                                     | 1       | 49        |        | 21.54  | 21.58  | 21.62   |
| 10                                     | 25      | 0         |        | 20.22  | 20.52  | 20.24   |
| 10                                     | 25      | 12        |        | 20.39  | 20.57  | 20.23   |
| 10                                     | 25      | 25        |        | 20.41  | 20.42  | 20.40   |
| 10                                     | 50      | 0         |        | 20.44  | 20.48  | 20.38   |
| 5                                      | 1       | 0         | QPSK   | 23.34  | 23.52  | 23.43   |
| 5                                      | 1       | 12        |        | 23.30  | 23.41  | 23.19   |
| 5                                      | 1       | 24        |        | 23.41  | 23.29  | 23.33   |
| 5                                      | 12      | 0         |        | 22.37  | 22.52  | 22.35   |
| 5                                      | 12      | 7         |        | 22.37  | 22.56  | 22.22   |
| 5                                      | 12      | 13        |        | 22.50  | 22.53  | 22.33   |
| 5                                      | 25      | 0         |        | 22.40  | 22.60  | 22.42   |
| 5                                      | 1       | 0         | 16-QAM | 22.61  | 22.68  | 22.61   |
| 5                                      | 1       | 12        |        | 22.77  | 22.79  | 22.64   |
| 5                                      | 1       | 24        |        | 22.70  | 22.67  | 22.67   |
| 5                                      | 12      | 0         |        | 21.28  | 21.41  | 21.36   |
| 5                                      | 12      | 7         |        | 21.42  | 21.50  | 21.27   |
| 5                                      | 12      | 13        |        | 21.41  | 21.49  | 21.50   |
| 5                                      | 25      | 0         |        | 21.42  | 21.59  | 21.30   |
| 5                                      | 1       | 0         | 64-QAM | 21.66  | 21.69  | 21.59   |
| 5                                      | 1       | 12        |        | 21.63  | 21.72  | 21.43   |
| 5                                      | 1       | 24        |        | 21.67  | 21.57  | 21.52   |
| 5                                      | 12      | 0         |        | 20.21  | 20.51  | 20.21   |
| 5                                      | 12      | 7         |        | 20.35  | 20.48  | 20.36   |
| 5                                      | 12      | 13        |        | 20.33  | 20.48  | 20.55   |
| 5                                      | 25      | 0         |        | 20.47  | 20.48  | 20.51   |



| LTE Band 2 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 3                                      | 1       | 0         | QPSK   | 23.42  | 23.48  | 23.39   |
| 3                                      | 1       | 8         |        | 23.39  | 23.60  | 23.36   |
| 3                                      | 1       | 14        |        | 23.37  | 23.44  | 23.34   |
| 3                                      | 8       | 0         |        | 22.40  | 22.59  | 22.28   |
| 3                                      | 8       | 4         |        | 22.34  | 22.64  | 22.30   |
| 3                                      | 8       | 7         |        | 22.37  | 22.46  | 22.41   |
| 3                                      | 15      | 0         |        | 22.54  | 22.64  | 22.43   |
| 3                                      | 1       | 0         | 16-QAM | 22.58  | 22.77  | 22.64   |
| 3                                      | 1       | 8         |        | 22.73  | 22.72  | 22.53   |
| 3                                      | 1       | 14        |        | 22.61  | 22.59  | 22.56   |
| 3                                      | 8       | 0         |        | 21.37  | 21.53  | 21.36   |
| 3                                      | 8       | 4         |        | 21.45  | 21.52  | 21.22   |
| 3                                      | 8       | 7         |        | 21.50  | 21.46  | 21.41   |
| 3                                      | 15      | 0         |        | 21.34  | 21.43  | 21.41   |
| 3                                      | 1       | 0         | 64-QAM | 21.59  | 21.72  | 21.52   |
| 3                                      | 1       | 8         |        | 21.58  | 21.72  | 21.43   |
| 3                                      | 1       | 14        |        | 21.50  | 21.60  | 21.65   |
| 3                                      | 8       | 0         |        | 20.26  | 20.43  | 20.28   |
| 3                                      | 8       | 4         |        | 20.33  | 20.52  | 20.37   |
| 3                                      | 8       | 7         |        | 20.35  | 20.48  | 20.54   |
| 3                                      | 15      | 0         |        | 20.48  | 20.47  | 20.36   |
| 1.4                                    | 1       | 0         | QPSK   | 23.44  | 23.43  | 23.35   |
| 1.4                                    | 1       | 3         |        | 23.31  | 23.59  | 23.38   |
| 1.4                                    | 1       | 5         |        | 23.38  | 23.30  | 23.41   |
| 1.4                                    | 3       | 0         |        | 22.29  | 22.45  | 22.28   |
| 1.4                                    | 3       | 1         |        | 22.31  | 22.59  | 22.27   |
| 1.4                                    | 3       | 3         |        | 22.52  | 22.45  | 22.46   |
| 1.4                                    | 6       | 0         |        | 22.36  | 22.51  | 22.32   |
| 1.4                                    | 1       | 0         | 16-QAM | 22.65  | 22.76  | 22.73   |
| 1.4                                    | 1       | 3         |        | 22.76  | 22.87  | 22.51   |
| 1.4                                    | 1       | 5         |        | 22.71  | 22.65  | 22.49   |
| 1.4                                    | 3       | 0         |        | 21.38  | 21.41  | 21.21   |
| 1.4                                    | 3       | 1         |        | 21.31  | 21.44  | 21.31   |
| 1.4                                    | 3       | 3         |        | 21.33  | 21.54  | 21.41   |
| 1.4                                    | 6       | 0         |        | 21.46  | 21.49  | 21.39   |
| 1.4                                    | 1       | 0         | 64-QAM | 21.64  | 21.74  | 21.57   |
| 1.4                                    | 1       | 3         |        | 21.63  | 21.76  | 21.50   |
| 1.4                                    | 1       | 5         |        | 21.67  | 21.64  | 21.65   |
| 1.4                                    | 3       | 0         |        | 20.33  | 20.56  | 20.21   |
| 1.4                                    | 3       | 1         |        | 20.48  | 20.59  | 20.37   |
| 1.4                                    | 3       | 3         |        | 20.29  | 20.41  | 20.51   |
| 1.4                                    | 6       | 0         |        | 20.35  | 20.51  | 20.36   |



| LTE Band 25 Maximum Average Power [dBm] |         |           |        |              |        |         |
|-----------------------------------------|---------|-----------|--------|--------------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest       | Middle | Highest |
| 20                                      | 1       | 0         | QPSK   | <b>23.77</b> | 23.65  | 23.59   |
| 20                                      | 1       | 49        |        | 23.49        | 23.71  | 23.54   |
| 20                                      | 1       | 99        |        | 23.59        | 23.51  | 23.59   |
| 20                                      | 50      | 0         |        | 22.62        | 22.70  | 22.62   |
| 20                                      | 50      | 24        |        | 22.62        | 22.68  | 22.48   |
| 20                                      | 50      | 50        |        | 22.62        | 22.60  | 22.51   |
| 20                                      | 100     | 0         |        | 22.62        | 22.66  | 22.55   |
| 20                                      | 1       | 0         | 16-QAM | 23.00        | 22.96  | 22.94   |
| 20                                      | 1       | 49        |        | 23.00        | 22.95  | 22.80   |
| 20                                      | 1       | 99        |        | 23.00        | 22.86  | 22.85   |
| 20                                      | 50      | 0         |        | 21.80        | 21.70  | 21.59   |
| 20                                      | 50      | 24        |        | 21.85        | 21.66  | 21.47   |
| 20                                      | 50      | 50        |        | 21.45        | 21.60  | 21.46   |
| 20                                      | 100     | 0         |        | 21.52        | 21.65  | 21.54   |
| 20                                      | 1       | 0         | 64-QAM | 21.94        | 21.78  | 21.87   |
| 20                                      | 1       | 49        |        | 21.68        | 21.84  | 21.75   |
| 20                                      | 1       | 99        |        | 21.73        | 21.75  | 21.73   |
| 20                                      | 50      | 0         |        | 20.60        | 20.69  | 20.63   |
| 20                                      | 50      | 24        |        | 20.49        | 20.69  | 20.51   |
| 20                                      | 50      | 50        |        | 20.48        | 20.61  | 20.48   |
| 20                                      | 100     | 0         |        | 20.52        | 20.65  | 20.55   |
| 15                                      | 1       | 0         | QPSK   | 23.66        | 23.61  | 23.40   |
| 15                                      | 1       | 37        |        | 23.43        | 23.66  | 23.50   |
| 15                                      | 1       | 74        |        | 23.44        | 23.33  | 23.58   |
| 15                                      | 36      | 0         |        | 22.53        | 22.53  | 22.42   |
| 15                                      | 36      | 20        |        | 22.43        | 22.57  | 22.34   |
| 15                                      | 36      | 39        |        | 22.58        | 22.42  | 22.36   |
| 15                                      | 75      | 0         |        | 22.43        | 22.60  | 22.53   |
| 15                                      | 1       | 0         | 16-QAM | 22.80        | 22.83  | 22.90   |
| 15                                      | 1       | 37        |        | 22.83        | 22.97  | 22.60   |
| 15                                      | 1       | 74        |        | 22.92        | 22.77  | 22.65   |
| 15                                      | 36      | 0         |        | 21.84        | 21.53  | 21.51   |
| 15                                      | 36      | 20        |        | 21.79        | 21.64  | 21.38   |
| 15                                      | 36      | 39        |        | 21.44        | 21.51  | 21.39   |
| 15                                      | 75      | 0         |        | 21.43        | 21.50  | 21.44   |
| 15                                      | 1       | 0         | 64-QAM | 21.88        | 21.60  | 21.76   |
| 15                                      | 1       | 37        |        | 21.51        | 21.82  | 21.59   |
| 15                                      | 1       | 74        |        | 21.57        | 21.75  | 21.61   |
| 15                                      | 36      | 0         |        | 20.48        | 20.64  | 20.59   |
| 15                                      | 36      | 20        |        | 20.49        | 20.59  | 20.48   |
| 15                                      | 36      | 39        |        | 20.30        | 20.51  | 20.48   |
| 15                                      | 75      | 0         |        | 20.35        | 20.53  | 20.39   |



| LTE Band 25 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   | 23.64  | 23.54  | 23.48   |
| 10                                      | 1       | 25        |        | 23.38  | 23.54  | 23.44   |
| 10                                      | 1       | 49        |        | 23.41  | 23.45  | 23.41   |
| 10                                      | 25      | 0         |        | 22.58  | 22.68  | 22.51   |
| 10                                      | 25      | 12        |        | 22.62  | 22.63  | 22.43   |
| 10                                      | 25      | 25        |        | 22.55  | 22.57  | 22.37   |
| 10                                      | 50      | 0         |        | 22.56  | 22.64  | 22.45   |
| 10                                      | 1       | 0         | 16-QAM | 22.99  | 22.76  | 22.88   |
| 10                                      | 1       | 25        |        | 22.94  | 22.89  | 22.62   |
| 10                                      | 1       | 49        |        | 22.81  | 22.86  | 22.80   |
| 10                                      | 25      | 0         |        | 21.75  | 21.58  | 21.45   |
| 10                                      | 25      | 12        |        | 21.69  | 21.48  | 21.35   |
| 10                                      | 25      | 25        |        | 21.28  | 21.52  | 21.26   |
| 10                                      | 50      | 0         |        | 21.45  | 21.63  | 21.46   |
| 10                                      | 1       | 0         | 64-QAM | 21.77  | 21.73  | 21.76   |
| 10                                      | 1       | 25        |        | 21.61  | 21.65  | 21.57   |
| 10                                      | 1       | 49        |        | 21.72  | 21.58  | 21.61   |
| 10                                      | 25      | 0         |        | 20.48  | 20.62  | 20.45   |
| 10                                      | 25      | 12        |        | 20.33  | 20.53  | 20.51   |
| 10                                      | 25      | 25        |        | 20.33  | 20.47  | 20.48   |
| 10                                      | 50      | 0         |        | 20.33  | 20.45  | 20.40   |
| 5                                       | 1       | 0         | QPSK   | 23.72  | 23.63  | 23.46   |
| 5                                       | 1       | 12        |        | 23.42  | 23.61  | 23.48   |
| 5                                       | 1       | 24        |        | 23.58  | 23.40  | 23.51   |
| 5                                       | 12      | 0         |        | 22.44  | 22.66  | 22.56   |
| 5                                       | 12      | 7         |        | 22.46  | 22.67  | 22.37   |
| 5                                       | 12      | 13        |        | 22.55  | 22.40  | 22.34   |
| 5                                       | 25      | 0         |        | 22.46  | 22.54  | 22.41   |
| 5                                       | 1       | 0         | 16-QAM | 23.00  | 22.79  | 22.88   |
| 5                                       | 1       | 12        |        | 22.90  | 22.92  | 22.71   |
| 5                                       | 1       | 24        |        | 22.82  | 22.69  | 22.71   |
| 5                                       | 12      | 0         |        | 21.89  | 21.65  | 21.39   |
| 5                                       | 12      | 7         |        | 21.92  | 21.46  | 21.28   |
| 5                                       | 12      | 13        |        | 21.38  | 21.54  | 21.27   |
| 5                                       | 25      | 0         |        | 21.36  | 21.65  | 21.46   |
| 5                                       | 1       | 0         | 64-QAM | 21.89  | 21.74  | 21.82   |
| 5                                       | 1       | 12        |        | 21.58  | 21.79  | 21.65   |
| 5                                       | 1       | 24        |        | 21.72  | 21.74  | 21.73   |
| 5                                       | 12      | 0         |        | 20.55  | 20.49  | 20.50   |
| 5                                       | 12      | 7         |        | 20.40  | 20.59  | 20.46   |
| 5                                       | 12      | 13        |        | 20.45  | 20.42  | 20.46   |
| 5                                       | 25      | 0         |        | 20.35  | 20.49  | 20.43   |



| LTE Band 25 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 3                                       | 1       | 0         | QPSK   | 23.57  | 23.61  | 23.41   |
| 3                                       | 1       | 8         |        | 23.34  | 23.61  | 23.41   |
| 3                                       | 1       | 14        |        | 23.57  | 23.39  | 23.42   |
| 3                                       | 8       | 0         |        | 22.45  | 22.66  | 22.59   |
| 3                                       | 8       | 4         |        | 22.49  | 22.59  | 22.32   |
| 3                                       | 8       | 7         |        | 22.54  | 22.50  | 22.43   |
| 3                                       | 15      | 0         |        | 22.57  | 22.64  | 22.50   |
| 3                                       | 1       | 0         | 16-QAM | 22.81  | 22.96  | 22.86   |
| 3                                       | 1       | 8         |        | 22.95  | 22.94  | 22.68   |
| 3                                       | 1       | 14        |        | 22.93  | 22.77  | 22.72   |
| 3                                       | 8       | 0         |        | 21.84  | 21.56  | 21.55   |
| 3                                       | 8       | 4         |        | 21.87  | 21.54  | 21.39   |
| 3                                       | 8       | 7         |        | 21.25  | 21.41  | 21.43   |
| 3                                       | 15      | 0         |        | 21.36  | 21.53  | 21.43   |
| 3                                       | 1       | 0         | 64-QAM | 21.78  | 21.72  | 21.87   |
| 3                                       | 1       | 8         |        | 21.61  | 21.70  | 21.74   |
| 3                                       | 1       | 14        |        | 21.56  | 21.63  | 21.65   |
| 3                                       | 8       | 0         |        | 20.54  | 20.53  | 20.59   |
| 3                                       | 8       | 4         |        | 20.47  | 20.68  | 20.40   |
| 3                                       | 8       | 7         |        | 20.32  | 20.57  | 20.48   |
| 3                                       | 15      | 0         |        | 20.42  | 20.56  | 20.36   |
| 1.4                                     | 1       | 0         | QPSK   | 23.57  | 23.55  | 23.46   |
| 1.4                                     | 1       | 3         |        | 23.39  | 23.55  | 23.42   |
| 1.4                                     | 1       | 5         |        | 23.43  | 23.47  | 23.39   |
| 1.4                                     | 3       | 0         |        | 22.60  | 22.54  | 22.60   |
| 1.4                                     | 3       | 1         |        | 22.62  | 22.53  | 22.34   |
| 1.4                                     | 3       | 3         |        | 22.60  | 22.60  | 22.42   |
| 1.4                                     | 6       | 0         |        | 22.55  | 22.47  | 22.39   |
| 1.4                                     | 1       | 0         | 16-QAM | 22.90  | 22.76  | 22.86   |
| 1.4                                     | 1       | 3         |        | 22.85  | 22.86  | 22.71   |
| 1.4                                     | 1       | 5         |        | 22.95  | 22.66  | 22.79   |
| 1.4                                     | 3       | 0         |        | 22.86  | 21.59  | 21.40   |
| 1.4                                     | 3       | 1         |        | 22.98  | 21.57  | 21.33   |
| 1.4                                     | 3       | 3         |        | 21.36  | 21.54  | 21.42   |
| 1.4                                     | 6       | 0         |        | 21.44  | 21.48  | 21.43   |
| 1.4                                     | 1       | 0         | 64-QAM | 21.79  | 21.66  | 21.77   |
| 1.4                                     | 1       | 3         |        | 21.49  | 21.69  | 21.72   |
| 1.4                                     | 1       | 5         |        | 21.58  | 21.75  | 21.60   |
| 1.4                                     | 3       | 0         |        | 20.48  | 20.67  | 20.57   |
| 1.4                                     | 3       | 1         |        | 20.29  | 20.50  | 20.46   |
| 1.4                                     | 3       | 3         |        | 20.39  | 20.43  | 20.47   |
| 1.4                                     | 6       | 0         |        | 20.39  | 20.58  | 20.39   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 20                                     | 1       | 0         | QPSK   | 23.75  | 23.64  | 23.78   |
| 20                                     | 1       | 49        |        | 23.54  | 23.58  | 23.72   |
| 20                                     | 1       | 99        |        | 23.55  | 23.70  | 23.56   |
| 20                                     | 50      | 0         |        | 22.70  | 22.66  | 22.73   |
| 20                                     | 50      | 24        |        | 22.54  | 22.62  | 22.73   |
| 20                                     | 50      | 50        |        | 22.62  | 22.67  | 22.57   |
| 20                                     | 100     | 0         |        | 22.62  | 22.69  | 22.72   |
| 20                                     | 1       | 0         | 16-QAM | 22.98  | 23.00  | 22.96   |
| 20                                     | 1       | 49        |        | 22.86  | 22.94  | 22.95   |
| 20                                     | 1       | 99        |        | 22.90  | 23.00  | 22.92   |
| 20                                     | 50      | 0         |        | 21.70  | 21.67  | 21.76   |
| 20                                     | 50      | 24        |        | 21.53  | 21.63  | 21.77   |
| 20                                     | 50      | 50        |        | 21.63  | 21.70  | 21.57   |
| 20                                     | 100     | 0         |        | 21.62  | 21.69  | 21.73   |
| 20                                     | 1       | 0         | 64-QAM | 21.90  | 21.93  | 21.94   |
| 20                                     | 1       | 49        |        | 21.81  | 21.83  | 21.96   |
| 20                                     | 1       | 99        |        | 21.78  | 21.91  | 21.81   |
| 20                                     | 50      | 0         |        | 20.71  | 20.67  | 20.78   |
| 20                                     | 50      | 24        |        | 20.56  | 20.61  | 20.78   |
| 20                                     | 50      | 50        |        | 20.67  | 20.69  | 20.60   |
| 20                                     | 100     | 0         |        | 20.66  | 20.67  | 20.75   |
| 15                                     | 1       | 0         | QPSK   | 23.70  | 23.58  | 23.77   |
| 15                                     | 1       | 37        |        | 23.48  | 23.40  | 23.53   |
| 15                                     | 1       | 74        |        | 23.43  | 23.55  | 23.39   |
| 15                                     | 36      | 0         |        | 22.68  | 22.53  | 22.69   |
| 15                                     | 36      | 20        |        | 22.40  | 22.56  | 22.59   |
| 15                                     | 36      | 39        |        | 22.48  | 22.61  | 22.41   |
| 15                                     | 75      | 0         |        | 22.49  | 22.68  | 22.68   |
| 15                                     | 1       | 0         | 16-QAM | 22.90  | 22.93  | 22.95   |
| 15                                     | 1       | 37        |        | 22.67  | 22.75  | 22.86   |
| 15                                     | 1       | 74        |        | 22.73  | 22.87  | 22.74   |
| 15                                     | 36      | 0         |        | 21.58  | 21.67  | 21.56   |
| 15                                     | 36      | 20        |        | 21.33  | 21.63  | 21.76   |
| 15                                     | 36      | 39        |        | 21.51  | 21.58  | 21.46   |
| 15                                     | 75      | 0         |        | 21.44  | 21.58  | 21.71   |
| 15                                     | 1       | 0         | 64-QAM | 21.86  | 21.78  | 21.85   |
| 15                                     | 1       | 37        |        | 21.79  | 21.69  | 21.92   |
| 15                                     | 1       | 74        |        | 21.68  | 21.89  | 21.64   |
| 15                                     | 36      | 0         |        | 20.60  | 20.51  | 20.71   |
| 15                                     | 36      | 20        |        | 20.38  | 20.46  | 20.70   |
| 15                                     | 36      | 39        |        | 20.47  | 20.65  | 20.60   |
| 15                                     | 75      | 0         |        | 20.48  | 20.54  | 20.65   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                     | 1       | 0         | QPSK   | 23.66  | 23.49  | 23.69   |
| 10                                     | 1       | 25        |        | 23.48  | 23.51  | 23.65   |
| 10                                     | 1       | 49        |        | 23.49  | 23.54  | 23.50   |
| 10                                     | 25      | 0         |        | 22.66  | 22.46  | 22.65   |
| 10                                     | 25      | 12        |        | 22.50  | 22.44  | 22.53   |
| 10                                     | 25      | 25        |        | 22.59  | 22.53  | 22.46   |
| 10                                     | 50      | 0         |        | 22.51  | 22.66  | 22.70   |
| 10                                     | 1       | 0         | 16-QAM | 23.00  | 22.85  | 22.96   |
| 10                                     | 1       | 25        |        | 22.83  | 22.75  | 22.94   |
| 10                                     | 1       | 49        |        | 22.84  | 22.94  | 22.77   |
| 10                                     | 25      | 0         |        | 21.65  | 21.65  | 21.71   |
| 10                                     | 25      | 12        |        | 21.46  | 21.49  | 21.60   |
| 10                                     | 25      | 25        |        | 21.59  | 21.51  | 21.45   |
| 10                                     | 50      | 0         |        | 21.51  | 21.61  | 21.71   |
| 10                                     | 1       | 0         | 64-QAM | 21.92  | 21.91  | 21.75   |
| 10                                     | 1       | 25        |        | 21.70  | 21.81  | 21.79   |
| 10                                     | 1       | 49        |        | 21.76  | 21.78  | 21.61   |
| 10                                     | 25      | 0         |        | 20.60  | 20.49  | 20.61   |
| 10                                     | 25      | 12        |        | 20.39  | 20.51  | 20.78   |
| 10                                     | 25      | 25        |        | 20.62  | 20.64  | 20.44   |
| 10                                     | 50      | 0         |        | 20.54  | 20.53  | 20.71   |
| 5                                      | 1       | 0         | QPSK   | 23.71  | 23.50  | 23.76   |
| 5                                      | 1       | 12        |        | 23.50  | 23.49  | 23.64   |
| 5                                      | 1       | 24        |        | 23.40  | 23.70  | 23.52   |
| 5                                      | 12      | 0         |        | 22.53  | 22.60  | 22.66   |
| 5                                      | 12      | 7         |        | 22.43  | 22.53  | 22.69   |
| 5                                      | 12      | 13        |        | 22.50  | 22.50  | 22.51   |
| 5                                      | 25      | 0         |        | 22.52  | 22.61  | 22.70   |
| 5                                      | 1       | 0         | 16-QAM | 22.91  | 22.98  | 22.93   |
| 5                                      | 1       | 12        |        | 22.74  | 22.84  | 22.88   |
| 5                                      | 1       | 24        |        | 22.87  | 22.92  | 22.72   |
| 5                                      | 12      | 0         |        | 21.53  | 21.55  | 21.68   |
| 5                                      | 12      | 7         |        | 21.33  | 21.48  | 21.69   |
| 5                                      | 12      | 13        |        | 21.63  | 21.60  | 21.40   |
| 5                                      | 25      | 0         |        | 21.56  | 21.54  | 21.53   |
| 5                                      | 1       | 0         | 64-QAM | 21.93  | 21.91  | 21.94   |
| 5                                      | 1       | 12        |        | 21.75  | 21.71  | 21.79   |
| 5                                      | 1       | 24        |        | 21.68  | 21.90  | 21.74   |
| 5                                      | 12      | 0         |        | 20.52  | 20.62  | 20.75   |
| 5                                      | 12      | 7         |        | 20.56  | 20.41  | 20.61   |
| 5                                      | 12      | 13        |        | 20.53  | 20.51  | 20.60   |
| 5                                      | 25      | 0         |        | 20.61  | 20.60  | 20.61   |



| LTE Band 4 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 3                                      | 1       | 0         | QPSK   | 23.68  | 23.54  | 23.72   |
| 3                                      | 1       | 8         |        | 23.37  | 23.52  | 23.63   |
| 3                                      | 1       | 14        |        | 23.37  | 23.55  | 23.37   |
| 3                                      | 8       | 0         |        | 22.65  | 22.54  | 22.56   |
| 3                                      | 8       | 4         |        | 22.39  | 22.42  | 22.69   |
| 3                                      | 8       | 7         |        | 22.54  | 22.55  | 22.57   |
| 3                                      | 15      | 0         |        | 22.54  | 22.67  | 22.56   |
| 3                                      | 1       | 0         | 16-QAM | 22.93  | 22.83  | 22.96   |
| 3                                      | 1       | 8         |        | 22.77  | 22.83  | 22.97   |
| 3                                      | 1       | 14        |        | 22.83  | 22.89  | 22.86   |
| 3                                      | 8       | 0         |        | 21.52  | 21.65  | 21.68   |
| 3                                      | 8       | 4         |        | 21.51  | 21.43  | 21.58   |
| 3                                      | 8       | 7         |        | 21.56  | 21.64  | 21.40   |
| 3                                      | 15      | 0         |        | 21.49  | 21.65  | 21.68   |
| 3                                      | 1       | 0         | 64-QAM | 21.94  | 21.74  | 21.92   |
| 3                                      | 1       | 8         |        | 21.79  | 21.69  | 21.93   |
| 3                                      | 1       | 14        |        | 21.65  | 21.81  | 21.69   |
| 3                                      | 8       | 0         |        | 20.71  | 20.54  | 20.58   |
| 3                                      | 8       | 4         |        | 20.37  | 20.42  | 20.69   |
| 3                                      | 8       | 7         |        | 20.57  | 20.62  | 20.57   |
| 3                                      | 15      | 0         |        | 20.60  | 20.57  | 20.74   |
| 1.4                                    | 1       | 0         | QPSK   | 23.56  | 23.47  | 23.69   |
| 1.4                                    | 1       | 3         |        | 23.51  | 23.38  | 23.64   |
| 1.4                                    | 1       | 5         |        | 23.48  | 23.57  | 23.55   |
| 1.4                                    | 3       | 0         |        | 22.55  | 22.65  | 22.64   |
| 1.4                                    | 3       | 1         |        | 22.48  | 22.44  | 22.56   |
| 1.4                                    | 3       | 3         |        | 22.43  | 22.59  | 22.54   |
| 1.4                                    | 6       | 0         |        | 22.51  | 22.54  | 22.65   |
| 1.4                                    | 1       | 0         | 16-QAM | 22.95  | 22.82  | 22.99   |
| 1.4                                    | 1       | 3         |        | 22.78  | 22.79  | 23.00   |
| 1.4                                    | 1       | 5         |        | 22.84  | 22.89  | 22.77   |
| 1.4                                    | 3       | 0         |        | 21.61  | 21.55  | 21.69   |
| 1.4                                    | 3       | 1         |        | 21.41  | 21.56  | 21.68   |
| 1.4                                    | 3       | 3         |        | 21.59  | 21.64  | 21.56   |
| 1.4                                    | 6       | 0         |        | 21.62  | 21.67  | 21.53   |
| 1.4                                    | 1       | 0         | 64-QAM | 21.95  | 21.82  | 21.80   |
| 1.4                                    | 1       | 3         |        | 21.80  | 21.78  | 21.87   |
| 1.4                                    | 1       | 5         |        | 21.77  | 21.71  | 21.67   |
| 1.4                                    | 3       | 0         |        | 20.68  | 20.54  | 20.72   |
| 1.4                                    | 3       | 1         |        | 20.48  | 20.54  | 20.75   |
| 1.4                                    | 3       | 3         |        | 20.51  | 20.53  | 20.53   |
| 1.4                                    | 6       | 0         |        | 20.47  | 20.61  | 20.63   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                     | 1       | 0         | QPSK   | 23.33  | 23.40  | 23.36   |
| 10                                     | 1       | 25        |        | 23.32  | 23.40  | 23.32   |
| 10                                     | 1       | 49        |        | 23.43  | 23.36  | 23.36   |
| 10                                     | 25      | 0         |        | 22.28  | 22.37  | 22.29   |
| 10                                     | 25      | 12        |        | 22.31  | 22.37  | 22.31   |
| 10                                     | 25      | 25        |        | 22.38  | 22.35  | 22.25   |
| 10                                     | 50      | 0         |        | 22.33  | 22.39  | 22.33   |
| 10                                     | 1       | 0         | 16-QAM | 22.70  | 22.76  | 22.65   |
| 10                                     | 1       | 25        |        | 22.68  | 22.73  | 22.59   |
| 10                                     | 1       | 49        |        | 22.75  | 22.62  | 22.60   |
| 10                                     | 25      | 0         |        | 21.28  | 21.40  | 21.28   |
| 10                                     | 25      | 12        |        | 21.34  | 21.38  | 21.30   |
| 10                                     | 25      | 25        |        | 21.42  | 21.36  | 21.26   |
| 10                                     | 50      | 0         |        | 21.38  | 21.37  | 21.34   |
| 10                                     | 1       | 0         | 64-QAM | 21.56  | 21.66  | 21.62   |
| 10                                     | 1       | 25        |        | 21.58  | 21.60  | 21.54   |
| 10                                     | 1       | 49        |        | 21.68  | 21.55  | 21.56   |
| 10                                     | 25      | 0         |        | 20.29  | 20.35  | 20.28   |
| 10                                     | 25      | 12        |        | 20.36  | 20.34  | 20.30   |
| 10                                     | 25      | 25        |        | 20.41  | 20.31  | 20.26   |
| 10                                     | 50      | 0         |        | 20.38  | 20.32  | 20.33   |
| 5                                      | 1       | 0         | QPSK   | 23.29  | 23.39  | 23.26   |
| 5                                      | 1       | 12        |        | 23.20  | 23.40  | 23.12   |
| 5                                      | 1       | 24        |        | 23.33  | 23.18  | 23.35   |
| 5                                      | 12      | 0         |        | 22.21  | 22.31  | 22.11   |
| 5                                      | 12      | 7         |        | 22.21  | 22.25  | 22.30   |
| 5                                      | 12      | 13        |        | 22.35  | 22.17  | 22.14   |
| 5                                      | 25      | 0         |        | 22.32  | 22.39  | 22.28   |
| 5                                      | 1       | 0         | 16-QAM | 22.54  | 22.74  | 22.64   |
| 5                                      | 1       | 12        |        | 22.61  | 22.70  | 22.40   |
| 5                                      | 1       | 24        |        | 22.55  | 22.59  | 22.42   |
| 5                                      | 12      | 0         |        | 21.16  | 21.22  | 21.14   |
| 5                                      | 12      | 7         |        | 21.31  | 21.37  | 21.10   |
| 5                                      | 12      | 13        |        | 21.28  | 21.36  | 21.14   |
| 5                                      | 25      | 0         |        | 21.19  | 21.18  | 21.16   |
| 5                                      | 1       | 0         | 64-QAM | 21.42  | 21.59  | 21.45   |
| 5                                      | 1       | 12        |        | 21.39  | 21.53  | 21.46   |
| 5                                      | 1       | 24        |        | 21.52  | 21.52  | 21.54   |
| 5                                      | 12      | 0         |        | 20.26  | 20.30  | 20.18   |
| 5                                      | 12      | 7         |        | 20.23  | 20.21  | 20.15   |
| 5                                      | 12      | 13        |        | 20.24  | 20.30  | 20.13   |
| 5                                      | 25      | 0         |        | 20.32  | 20.17  | 20.30   |



| LTE Band 5 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 3                                      | 1       | 0         | QPSK   | 23.14  | 23.36  | 23.26   |
| 3                                      | 1       | 8         |        | 23.30  | 23.33  | 23.30   |
| 3                                      | 1       | 14        |        | 23.25  | 23.25  | 23.36   |
| 3                                      | 8       | 0         |        | 22.24  | 22.23  | 22.23   |
| 3                                      | 8       | 4         |        | 22.11  | 22.26  | 22.23   |
| 3                                      | 8       | 7         |        | 22.21  | 22.27  | 22.15   |
| 3                                      | 15      | 0         |        | 22.20  | 22.38  | 22.13   |
| 3                                      | 1       | 0         | 16-QAM | 22.66  | 22.70  | 22.45   |
| 3                                      | 1       | 8         |        | 22.48  | 22.73  | 22.41   |
| 3                                      | 1       | 14        |        | 22.69  | 22.47  | 22.44   |
| 3                                      | 8       | 0         |        | 21.28  | 21.20  | 21.26   |
| 3                                      | 8       | 4         |        | 21.32  | 21.20  | 21.17   |
| 3                                      | 8       | 7         |        | 21.33  | 21.30  | 21.23   |
| 3                                      | 15      | 0         |        | 21.23  | 21.30  | 21.15   |
| 3                                      | 1       | 0         | 64-QAM | 21.46  | 21.55  | 21.52   |
| 3                                      | 1       | 8         |        | 21.57  | 21.52  | 21.45   |
| 3                                      | 1       | 14        |        | 21.61  | 21.54  | 21.39   |
| 3                                      | 8       | 0         |        | 20.19  | 20.34  | 20.18   |
| 3                                      | 8       | 4         |        | 20.23  | 20.23  | 20.24   |
| 3                                      | 8       | 7         |        | 20.25  | 20.28  | 20.08   |
| 3                                      | 15      | 0         |        | 20.18  | 20.27  | 20.25   |
| 1.4                                    | 1       | 0         | QPSK   | 23.16  | 23.20  | 23.31   |
| 1.4                                    | 1       | 3         |        | 23.20  | 23.20  | 23.28   |
| 1.4                                    | 1       | 5         |        | 23.26  | 23.25  | 23.30   |
| 1.4                                    | 3       | 0         |        | 22.25  | 22.28  | 22.16   |
| 1.4                                    | 3       | 1         |        | 22.25  | 22.25  | 22.19   |
| 1.4                                    | 3       | 3         |        | 22.21  | 22.26  | 22.08   |
| 1.4                                    | 6       | 0         |        | 22.32  | 22.32  | 22.31   |
| 1.4                                    | 1       | 0         | 16-QAM | 22.59  | 22.61  | 22.65   |
| 1.4                                    | 1       | 3         |        | 22.58  | 22.68  | 22.48   |
| 1.4                                    | 1       | 5         |        | 22.55  | 22.49  | 22.48   |
| 1.4                                    | 3       | 0         |        | 21.11  | 21.35  | 21.14   |
| 1.4                                    | 3       | 1         |        | 21.33  | 21.32  | 21.10   |
| 1.4                                    | 3       | 3         |        | 21.27  | 21.27  | 21.14   |
| 1.4                                    | 6       | 0         |        | 21.26  | 21.33  | 21.29   |
| 1.4                                    | 1       | 0         | 64-QAM | 21.50  | 21.62  | 21.49   |
| 1.4                                    | 1       | 3         |        | 21.51  | 21.54  | 21.50   |
| 1.4                                    | 1       | 5         |        | 21.66  | 21.40  | 21.50   |
| 1.4                                    | 3       | 0         |        | 20.09  | 20.30  | 20.20   |
| 1.4                                    | 3       | 1         |        | 20.19  | 20.14  | 20.13   |
| 1.4                                    | 3       | 3         |        | 20.25  | 20.21  | 20.23   |
| 1.4                                    | 6       | 0         |        | 20.24  | 20.31  | 20.29   |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 20                                     | 1       | 0         | QPSK   | 23.00  | 23.10  | 23.17   |
| 20                                     | 1       | 49        |        | 23.36  | 23.28  | 23.34   |
| 20                                     | 1       | 99        |        | 23.27  | 23.50  | 23.25   |
| 20                                     | 50      | 0         |        | 22.21  | 22.19  | 22.30   |
| 20                                     | 50      | 24        |        | 22.34  | 22.38  | 22.36   |
| 20                                     | 50      | 50        |        | 22.29  | 22.66  | 22.26   |
| 20                                     | 100     | 0         |        | 22.40  | 22.50  | 22.42   |
| 20                                     | 1       | 0         | 16-QAM | 22.33  | 22.50  | 22.54   |
| 20                                     | 1       | 49        |        | 22.68  | 22.63  | 22.71   |
| 20                                     | 1       | 99        |        | 22.74  | 22.84  | 22.57   |
| 20                                     | 50      | 0         |        | 21.23  | 21.24  | 21.35   |
| 20                                     | 50      | 24        |        | 21.35  | 21.41  | 21.41   |
| 20                                     | 50      | 50        |        | 21.34  | 21.68  | 21.28   |
| 20                                     | 100     | 0         |        | 21.41  | 21.52  | 21.45   |
| 20                                     | 1       | 0         | 64-QAM | 21.29  | 21.44  | 21.44   |
| 20                                     | 1       | 49        |        | 21.59  | 21.52  | 21.69   |
| 20                                     | 1       | 99        |        | 21.57  | 21.76  | 21.53   |
| 20                                     | 50      | 0         |        | 20.23  | 20.22  | 20.33   |
| 20                                     | 50      | 24        |        | 20.34  | 20.39  | 20.39   |
| 20                                     | 50      | 50        |        | 20.31  | 20.69  | 20.29   |
| 20                                     | 100     | 0         |        | 20.38  | 20.50  | 20.42   |
| 15                                     | 1       | 0         | QPSK   | 22.85  | 23.04  | 23.00   |
| 15                                     | 1       | 37        |        | 23.32  | 23.19  | 23.19   |
| 15                                     | 1       | 74        |        | 23.26  | 23.32  | 23.24   |
| 15                                     | 36      | 0         |        | 22.04  | 22.14  | 22.16   |
| 15                                     | 36      | 20        |        | 22.24  | 22.36  | 22.33   |
| 15                                     | 36      | 39        |        | 22.14  | 22.55  | 22.20   |
| 15                                     | 75      | 0         |        | 22.40  | 22.32  | 22.25   |
| 15                                     | 1       | 0         | 16-QAM | 22.14  | 22.47  | 22.54   |
| 15                                     | 1       | 37        |        | 22.56  | 22.60  | 22.70   |
| 15                                     | 1       | 74        |        | 22.58  | 22.79  | 22.52   |
| 15                                     | 36      | 0         |        | 21.14  | 21.15  | 21.20   |
| 15                                     | 36      | 20        |        | 21.25  | 21.32  | 21.37   |
| 15                                     | 36      | 39        |        | 21.21  | 21.60  | 21.20   |
| 15                                     | 75      | 0         |        | 21.22  | 21.43  | 21.35   |
| 15                                     | 1       | 0         | 64-QAM | 21.28  | 21.24  | 21.27   |
| 15                                     | 1       | 37        |        | 21.52  | 21.45  | 21.69   |
| 15                                     | 1       | 74        |        | 21.44  | 21.71  | 21.33   |
| 15                                     | 36      | 0         |        | 20.04  | 20.12  | 20.24   |
| 15                                     | 36      | 20        |        | 20.28  | 20.38  | 20.21   |
| 15                                     | 36      | 39        |        | 20.13  | 20.69  | 20.23   |
| 15                                     | 75      | 0         |        | 20.21  | 20.35  | 20.41   |



| LTE Band 7 Maximum Average Power [dBm] |         |           |        |        |        |         |
|----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                               | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                     | 1       | 0         | QPSK   | 22.89  | 22.92  | 22.97   |
| 10                                     | 1       | 25        |        | 23.30  | 23.27  | 23.21   |
| 10                                     | 1       | 49        |        | 23.24  | 23.32  | 23.21   |
| 10                                     | 25      | 0         |        | 22.09  | 22.03  | 22.21   |
| 10                                     | 25      | 12        |        | 22.17  | 22.24  | 22.35   |
| 10                                     | 25      | 25        |        | 22.16  | 22.60  | 22.08   |
| 10                                     | 50      | 0         |        | 22.20  | 22.36  | 22.23   |
| 10                                     | 1       | 0         | 16-QAM | 22.32  | 22.39  | 22.35   |
| 10                                     | 1       | 25        |        | 22.59  | 22.48  | 22.69   |
| 10                                     | 1       | 49        |        | 22.67  | 22.68  | 22.52   |
| 10                                     | 25      | 0         |        | 21.08  | 21.14  | 21.20   |
| 10                                     | 25      | 12        |        | 21.26  | 21.33  | 21.31   |
| 10                                     | 25      | 25        |        | 21.31  | 21.58  | 21.21   |
| 10                                     | 50      | 0         |        | 21.24  | 21.34  | 21.38   |
| 10                                     | 1       | 0         | 64-QAM | 21.24  | 21.33  | 21.32   |
| 10                                     | 1       | 25        |        | 21.59  | 21.34  | 21.66   |
| 10                                     | 1       | 49        |        | 21.50  | 21.73  | 21.39   |
| 10                                     | 25      | 0         |        | 20.16  | 20.04  | 20.23   |
| 10                                     | 25      | 12        |        | 20.20  | 20.32  | 20.34   |
| 10                                     | 25      | 25        |        | 20.14  | 20.62  | 20.27   |
| 10                                     | 50      | 0         |        | 20.37  | 20.48  | 20.24   |
| 5                                      | 1       | 0         | QPSK   | 22.98  | 22.99  | 23.00   |
| 5                                      | 1       | 12        |        | 23.36  | 23.08  | 23.16   |
| 5                                      | 1       | 24        |        | 23.08  | 23.39  | 23.11   |
| 5                                      | 12      | 0         |        | 22.14  | 22.03  | 22.27   |
| 5                                      | 12      | 7         |        | 22.24  | 22.34  | 22.16   |
| 5                                      | 12      | 13        |        | 22.11  | 22.54  | 22.25   |
| 5                                      | 25      | 0         |        | 22.24  | 22.38  | 22.28   |
| 5                                      | 1       | 0         | 16-QAM | 22.20  | 22.46  | 22.34   |
| 5                                      | 1       | 12        |        | 22.51  | 22.57  | 22.66   |
| 5                                      | 1       | 24        |        | 22.62  | 22.77  | 22.42   |
| 5                                      | 12      | 0         |        | 21.11  | 21.09  | 21.21   |
| 5                                      | 12      | 7         |        | 21.28  | 21.31  | 21.23   |
| 5                                      | 12      | 13        |        | 21.33  | 21.63  | 21.28   |
| 5                                      | 25      | 0         |        | 21.29  | 21.33  | 21.44   |
| 5                                      | 1       | 0         | 64-QAM | 21.29  | 21.25  | 21.42   |
| 5                                      | 1       | 12        |        | 21.45  | 21.48  | 21.58   |
| 5                                      | 1       | 24        |        | 21.51  | 21.67  | 21.45   |
| 5                                      | 12      | 0         |        | 20.09  | 20.03  | 20.19   |
| 5                                      | 12      | 7         |        | 20.25  | 20.31  | 20.39   |
| 5                                      | 12      | 13        |        | 20.31  | 20.52  | 20.14   |
| 5                                      | 25      | 0         |        | 20.31  | 20.44  | 20.25   |



| LTE Band 12 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   | 22.99  | 23.03  | 23.19   |
| 10                                      | 1       | 25        |        | 23.13  | 23.22  | 23.03   |
| 10                                      | 1       | 49        |        | 23.24  | 23.05  | 23.08   |
| 10                                      | 25      | 0         |        | 22.06  | 22.07  | 22.07   |
| 10                                      | 25      | 12        |        | 22.11  | 22.21  | 21.99   |
| 10                                      | 25      | 25        |        | 22.28  | 22.05  | 22.05   |
| 10                                      | 50      | 0         |        | 22.13  | 22.25  | 22.03   |
| 10                                      | 1       | 0         | 16-QAM | 22.29  | 22.34  | 22.47   |
| 10                                      | 1       | 25        |        | 22.44  | 22.57  | 22.33   |
| 10                                      | 1       | 49        |        | 22.49  | 22.35  | 22.39   |
| 10                                      | 25      | 0         |        | 21.04  | 21.06  | 21.11   |
| 10                                      | 25      | 12        |        | 21.09  | 21.22  | 20.99   |
| 10                                      | 25      | 25        |        | 21.28  | 21.07  | 21.06   |
| 10                                      | 50      | 0         |        | 21.11  | 21.23  | 21.01   |
| 10                                      | 1       | 0         | 64-QAM | 21.25  | 21.31  | 21.47   |
| 10                                      | 1       | 25        |        | 21.41  | 21.49  | 21.30   |
| 10                                      | 1       | 49        |        | 21.46  | 21.32  | 21.36   |
| 10                                      | 25      | 0         |        | 20.03  | 20.05  | 20.09   |
| 10                                      | 25      | 12        |        | 20.06  | 20.20  | 20.00   |
| 10                                      | 25      | 25        |        | 20.25  | 20.05  | 20.06   |
| 10                                      | 50      | 0         |        | 20.12  | 20.20  | 20.00   |
| 5                                       | 1       | 0         | QPSK   | 22.94  | 22.98  | 23.08   |
| 5                                       | 1       | 12        |        | 23.02  | 23.20  | 22.97   |
| 5                                       | 1       | 24        |        | 23.17  | 23.03  | 22.96   |
| 5                                       | 12      | 0         |        | 22.03  | 21.88  | 21.99   |
| 5                                       | 12      | 7         |        | 22.10  | 22.05  | 21.98   |
| 5                                       | 12      | 13        |        | 22.26  | 21.99  | 22.05   |
| 5                                       | 25      | 0         |        | 21.97  | 22.11  | 21.92   |
| 5                                       | 1       | 0         | 16-QAM | 22.22  | 22.27  | 22.39   |
| 5                                       | 1       | 12        |        | 22.41  | 22.49  | 22.15   |
| 5                                       | 1       | 24        |        | 22.42  | 22.26  | 22.31   |
| 5                                       | 12      | 0         |        | 20.84  | 20.92  | 20.93   |
| 5                                       | 12      | 7         |        | 20.99  | 21.06  | 20.88   |
| 5                                       | 12      | 13        |        | 21.20  | 20.95  | 21.02   |
| 5                                       | 25      | 0         |        | 20.93  | 21.14  | 20.93   |
| 5                                       | 1       | 0         | 64-QAM | 21.14  | 21.27  | 21.33   |
| 5                                       | 1       | 12        |        | 21.27  | 21.31  | 21.30   |
| 5                                       | 1       | 24        |        | 21.29  | 21.21  | 21.18   |
| 5                                       | 12      | 0         |        | 19.91  | 19.90  | 19.95   |
| 5                                       | 12      | 7         |        | 20.04  | 20.13  | 19.97   |
| 5                                       | 12      | 13        |        | 20.15  | 19.86  | 19.92   |
| 5                                       | 25      | 0         |        | 20.10  | 20.18  | 19.92   |



| LTE Band 12 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 3                                       | 1       | 0         | QPSK   | 22.86  | 22.97  | 23.19   |
| 3                                       | 1       | 8         |        | 23.05  | 23.09  | 22.94   |
| 3                                       | 1       | 14        |        | 23.05  | 23.03  | 23.06   |
| 3                                       | 8       | 0         |        | 22.04  | 22.06  | 22.06   |
| 3                                       | 8       | 4         |        | 22.09  | 22.07  | 21.89   |
| 3                                       | 8       | 7         |        | 22.16  | 22.04  | 21.98   |
| 3                                       | 15      | 0         |        | 21.96  | 22.19  | 21.86   |
| 3                                       | 1       | 0         | 16-QAM | 22.28  | 22.34  | 22.28   |
| 3                                       | 1       | 8         |        | 22.43  | 22.56  | 22.31   |
| 3                                       | 1       | 14        |        | 22.32  | 22.15  | 22.27   |
| 3                                       | 8       | 0         |        | 21.01  | 21.03  | 21.08   |
| 3                                       | 8       | 4         |        | 21.04  | 21.04  | 20.86   |
| 3                                       | 8       | 7         |        | 21.15  | 20.97  | 20.95   |
| 3                                       | 15      | 0         |        | 21.05  | 21.20  | 20.94   |
| 3                                       | 1       | 0         | 64-QAM | 21.24  | 21.20  | 21.38   |
| 3                                       | 1       | 8         |        | 21.33  | 21.45  | 21.14   |
| 3                                       | 1       | 14        |        | 21.32  | 21.20  | 21.28   |
| 3                                       | 8       | 0         |        | 19.86  | 19.87  | 20.04   |
| 3                                       | 8       | 4         |        | 19.86  | 20.00  | 19.89   |
| 3                                       | 8       | 7         |        | 20.21  | 19.98  | 19.95   |
| 3                                       | 15      | 0         |        | 19.93  | 20.13  | 19.90   |
| 1.4                                     | 1       | 0         | QPSK   | 22.80  | 22.84  | 23.01   |
| 1.4                                     | 1       | 3         |        | 23.10  | 23.17  | 22.96   |
| 1.4                                     | 1       | 5         |        | 23.07  | 22.94  | 23.04   |
| 1.4                                     | 3       | 0         |        | 22.02  | 22.03  | 22.07   |
| 1.4                                     | 3       | 1         |        | 22.05  | 22.06  | 22.05   |
| 1.4                                     | 3       | 3         |        | 22.28  | 22.01  | 22.10   |
| 1.4                                     | 6       | 0         |        | 22.04  | 22.18  | 21.96   |
| 1.4                                     | 1       | 0         | 16-QAM | 22.20  | 22.19  | 22.29   |
| 1.4                                     | 1       | 3         |        | 22.29  | 22.43  | 22.17   |
| 1.4                                     | 1       | 5         |        | 22.43  | 22.34  | 22.33   |
| 1.4                                     | 3       | 0         |        | 21.05  | 21.02  | 21.02   |
| 1.4                                     | 3       | 1         |        | 21.03  | 21.06  | 21.00   |
| 1.4                                     | 3       | 3         |        | 21.18  | 21.01  | 21.06   |
| 1.4                                     | 6       | 0         |        | 21.09  | 21.11  | 20.83   |
| 1.4                                     | 1       | 0         | 64-QAM | 21.06  | 21.15  | 21.39   |
| 1.4                                     | 1       | 3         |        | 21.28  | 21.49  | 21.18   |
| 1.4                                     | 1       | 5         |        | 21.39  | 21.23  | 21.30   |
| 1.4                                     | 3       | 0         |        | 20.01  | 20.00  | 20.05   |
| 1.4                                     | 3       | 1         |        | 20.02  | 20.04  | 20.04   |
| 1.4                                     | 3       | 3         |        | 20.17  | 20.01  | 20.01   |
| 1.4                                     | 6       | 0         |        | 20.10  | 20.13  | 19.93   |



| LTE Band 13 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   |        | 23.04  |         |
| 10                                      | 1       | 25        |        |        | 23.21  |         |
| 10                                      | 1       | 49        |        |        | 23.28  |         |
| 10                                      | 25      | 0         |        |        | 22.06  |         |
| 10                                      | 25      | 12        |        |        | 22.05  |         |
| 10                                      | 25      | 25        |        |        | 22.17  |         |
| 10                                      | 50      | 0         |        |        | 22.16  |         |
| 10                                      | 1       | 0         | 16-QAM |        | 22.36  |         |
| 10                                      | 1       | 25        |        |        | 22.58  |         |
| 10                                      | 1       | 49        |        |        | 22.68  |         |
| 10                                      | 25      | 0         |        |        | 21.07  |         |
| 10                                      | 25      | 12        |        |        | 21.05  |         |
| 10                                      | 25      | 25        |        |        | 21.15  |         |
| 10                                      | 50      | 0         |        |        | 21.14  |         |
| 10                                      | 1       | 0         | 64-QAM |        | 21.30  |         |
| 10                                      | 1       | 25        |        |        | 21.43  |         |
| 10                                      | 1       | 49        |        |        | 21.53  |         |
| 10                                      | 25      | 0         |        |        | 20.05  |         |
| 10                                      | 25      | 12        |        |        | 20.05  |         |
| 10                                      | 25      | 25        |        |        | 20.16  |         |
| 10                                      | 50      | 0         |        |        | 20.18  |         |
| 5                                       | 1       | 0         | QPSK   | 22.88  | 22.98  | 22.89   |
| 5                                       | 1       | 12        |        | 23.07  | 23.20  | 23.12   |
| 5                                       | 1       | 24        |        | 23.11  | 23.15  | 23.17   |
| 5                                       | 12      | 0         |        | 22.01  | 21.96  | 21.89   |
| 5                                       | 12      | 7         |        | 21.90  | 21.87  | 22.01   |
| 5                                       | 12      | 13        |        | 21.97  | 21.97  | 22.00   |
| 5                                       | 25      | 0         |        | 21.96  | 22.09  | 22.16   |
| 5                                       | 1       | 0         | 16-QAM | 22.35  | 22.18  | 22.36   |
| 5                                       | 1       | 12        |        | 22.45  | 22.45  | 22.47   |
| 5                                       | 1       | 24        |        | 22.57  | 22.68  | 22.68   |
| 5                                       | 12      | 0         |        | 21.02  | 20.92  | 20.93   |
| 5                                       | 12      | 7         |        | 20.90  | 20.85  | 20.92   |
| 5                                       | 12      | 13        |        | 21.02  | 21.05  | 20.99   |
| 5                                       | 25      | 0         |        | 21.12  | 21.05  | 21.08   |
| 5                                       | 1       | 0         | 64-QAM | 21.18  | 21.29  | 21.17   |
| 5                                       | 1       | 12        |        | 21.28  | 21.33  | 21.43   |
| 5                                       | 1       | 24        |        | 21.52  | 21.40  | 21.50   |
| 5                                       | 12      | 0         |        | 20.04  | 19.97  | 19.94   |
| 5                                       | 12      | 7         |        | 20.00  | 19.95  | 19.97   |
| 5                                       | 12      | 13        |        | 20.04  | 20.16  | 20.02   |
| 5                                       | 25      | 0         |        | 20.15  | 20.07  | 19.99   |



| LTE Band 17 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   | 23.09  | 23.05  | 23.11   |
| 10                                      | 1       | 25        |        | 22.98  | 23.04  | 23.01   |
| 10                                      | 1       | 49        |        | 23.14  | 23.09  | 23.03   |
| 10                                      | 25      | 0         |        | 22.00  | 22.18  | 22.14   |
| 10                                      | 25      | 12        |        | 22.02  | 22.09  | 21.97   |
| 10                                      | 25      | 25        |        | 22.05  | 22.00  | 22.01   |
| 10                                      | 50      | 0         |        | 21.96  | 22.08  | 22.03   |
| 10                                      | 1       | 0         | 16-QAM | 22.39  | 22.38  | 22.39   |
| 10                                      | 1       | 25        |        | 22.27  | 22.41  | 22.33   |
| 10                                      | 1       | 49        |        | 22.54  | 22.44  | 22.26   |
| 10                                      | 25      | 0         |        | 21.01  | 21.17  | 21.16   |
| 10                                      | 25      | 12        |        | 21.00  | 21.12  | 20.99   |
| 10                                      | 25      | 25        |        | 21.06  | 21.03  | 21.02   |
| 10                                      | 50      | 0         |        | 20.99  | 21.05  | 21.00   |
| 10                                      | 1       | 0         | 64-QAM | 21.29  | 21.29  | 21.38   |
| 10                                      | 1       | 25        |        | 21.19  | 21.30  | 21.25   |
| 10                                      | 1       | 49        |        | 21.45  | 21.37  | 21.27   |
| 10                                      | 25      | 0         |        | 19.98  | 20.17  | 20.14   |
| 10                                      | 25      | 12        |        | 19.98  | 20.09  | 19.97   |
| 10                                      | 25      | 25        |        | 20.03  | 19.94  | 20.01   |
| 10                                      | 50      | 0         |        | 19.99  | 20.02  | 19.99   |
| 5                                       | 1       | 0         | QPSK   | 22.96  | 22.96  | 23.10   |
| 5                                       | 1       | 12        |        | 22.83  | 22.93  | 22.88   |
| 5                                       | 1       | 24        |        | 23.00  | 23.08  | 22.89   |
| 5                                       | 12      | 0         |        | 21.87  | 22.16  | 22.04   |
| 5                                       | 12      | 7         |        | 21.87  | 21.96  | 21.82   |
| 5                                       | 12      | 13        |        | 21.98  | 21.91  | 21.88   |
| 5                                       | 25      | 0         |        | 21.96  | 21.92  | 21.91   |
| 5                                       | 1       | 0         | 16-QAM | 22.19  | 22.35  | 22.21   |
| 5                                       | 1       | 12        |        | 22.13  | 22.41  | 22.16   |
| 5                                       | 1       | 24        |        | 22.49  | 22.41  | 22.06   |
| 5                                       | 12      | 0         |        | 20.98  | 21.15  | 21.01   |
| 5                                       | 12      | 7         |        | 20.85  | 21.08  | 20.82   |
| 5                                       | 12      | 13        |        | 20.90  | 20.87  | 21.02   |
| 5                                       | 25      | 0         |        | 20.88  | 20.99  | 20.84   |
| 5                                       | 1       | 0         | 64-QAM | 21.26  | 21.23  | 21.21   |
| 5                                       | 1       | 12        |        | 21.04  | 21.19  | 21.24   |
| 5                                       | 1       | 24        |        | 21.40  | 21.33  | 21.17   |
| 5                                       | 12      | 0         |        | 19.84  | 20.02  | 20.10   |
| 5                                       | 12      | 7         |        | 19.90  | 19.99  | 19.88   |
| 5                                       | 12      | 13        |        | 20.00  | 19.86  | 19.97   |
| 5                                       | 25      | 0         |        | 19.87  | 19.96  | 19.85   |



| LTE Band 26 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 15                                      | 1       | 0         | QPSK   | 23.30  | 23.30  | 23.38   |
| 15                                      | 1       | 37        |        | 23.41  | 23.38  | 23.31   |
| 15                                      | 1       | 74        |        | 23.40  | 23.39  | 23.38   |
| 15                                      | 36      | 0         |        | 22.37  | 22.27  | 22.32   |
| 15                                      | 36      | 20        |        | 22.40  | 22.38  | 22.30   |
| 15                                      | 36      | 39        |        | 22.36  | 22.36  | 22.31   |
| 15                                      | 75      | 0         |        | 22.42  | 22.41  | 22.34   |
| 15                                      | 1       | 0         | 16-QAM | 22.62  | 22.63  | 22.71   |
| 15                                      | 1       | 37        |        | 22.69  | 22.71  | 22.62   |
| 15                                      | 1       | 74        |        | 22.71  | 22.68  | 22.67   |
| 15                                      | 36      | 0         |        | 21.35  | 21.25  | 21.31   |
| 15                                      | 36      | 20        |        | 21.39  | 21.38  | 21.27   |
| 15                                      | 36      | 39        |        | 21.34  | 21.36  | 21.31   |
| 15                                      | 75      | 0         |        | 21.41  | 21.40  | 21.31   |
| 15                                      | 1       | 0         | 64-QAM | 21.57  | 21.51  | 21.58   |
| 15                                      | 1       | 37        |        | 21.64  | 21.66  | 21.49   |
| 15                                      | 1       | 74        |        | 21.66  | 21.58  | 21.52   |
| 15                                      | 36      | 0         |        | 20.33  | 20.29  | 20.32   |
| 15                                      | 36      | 20        |        | 20.38  | 20.41  | 20.27   |
| 15                                      | 36      | 39        |        | 20.34  | 20.39  | 20.26   |
| 15                                      | 75      | 0         |        | 20.41  | 20.43  | 20.30   |
| 10                                      | 1       | 0         | QPSK   | 23.22  | 23.20  | 23.19   |
| 10                                      | 1       | 25        |        | 23.28  | 23.19  | 23.18   |
| 10                                      | 1       | 49        |        | 23.28  | 23.19  | 23.34   |
| 10                                      | 25      | 0         |        | 22.25  | 22.18  | 22.31   |
| 10                                      | 25      | 12        |        | 22.39  | 22.35  | 22.22   |
| 10                                      | 25      | 25        |        | 22.19  | 22.30  | 22.30   |
| 10                                      | 50      | 0         |        | 22.37  | 22.29  | 22.22   |
| 10                                      | 1       | 0         | 16-QAM | 22.47  | 22.44  | 22.66   |
| 10                                      | 1       | 25        |        | 22.63  | 22.57  | 22.46   |
| 10                                      | 1       | 49        |        | 22.61  | 22.67  | 22.47   |
| 10                                      | 25      | 0         |        | 21.31  | 21.05  | 21.24   |
| 10                                      | 25      | 12        |        | 21.23  | 21.19  | 21.14   |
| 10                                      | 25      | 25        |        | 21.27  | 21.20  | 21.15   |
| 10                                      | 50      | 0         |        | 21.31  | 21.27  | 21.13   |
| 10                                      | 1       | 0         | 64-QAM | 21.55  | 21.38  | 21.41   |
| 10                                      | 1       | 25        |        | 21.49  | 21.46  | 21.35   |
| 10                                      | 1       | 49        |        | 21.63  | 21.41  | 21.34   |
| 10                                      | 25      | 0         |        | 20.21  | 20.23  | 20.30   |
| 10                                      | 25      | 12        |        | 20.34  | 20.35  | 20.13   |
| 10                                      | 25      | 25        |        | 20.27  | 20.19  | 20.08   |
| 10                                      | 50      | 0         |        | 20.36  | 20.35  | 20.16   |



| LTE Band 26 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 5                                       | 1       | 0         | QPSK   | 23.19  | 23.15  | 23.27   |
| 5                                       | 1       | 12        |        | 23.41  | 23.35  | 23.15   |
| 5                                       | 1       | 24        |        | 23.34  | 23.31  | 23.28   |
| 5                                       | 12      | 0         |        | 22.25  | 22.17  | 22.22   |
| 5                                       | 12      | 7         |        | 22.34  | 22.32  | 22.22   |
| 5                                       | 12      | 13        |        | 22.29  | 22.35  | 22.13   |
| 5                                       | 25      | 0         |        | 22.33  | 22.30  | 22.15   |
| 5                                       | 1       | 0         | 16-QAM | 22.61  | 22.49  | 22.70   |
| 5                                       | 1       | 12        |        | 22.67  | 22.52  | 22.53   |
| 5                                       | 1       | 24        |        | 22.53  | 22.55  | 22.58   |
| 5                                       | 12      | 0         |        | 21.21  | 21.16  | 21.17   |
| 5                                       | 12      | 7         |        | 21.38  | 21.34  | 21.24   |
| 5                                       | 12      | 13        |        | 21.22  | 21.26  | 21.28   |
| 5                                       | 25      | 0         |        | 21.22  | 21.40  | 21.23   |
| 5                                       | 1       | 0         | 64-QAM | 21.51  | 21.49  | 21.41   |
| 5                                       | 1       | 12        |        | 21.47  | 21.52  | 21.49   |
| 5                                       | 1       | 24        |        | 21.65  | 21.48  | 21.47   |
| 5                                       | 12      | 0         |        | 20.18  | 20.12  | 20.18   |
| 5                                       | 12      | 7         |        | 20.28  | 20.40  | 20.25   |
| 5                                       | 12      | 13        |        | 20.34  | 20.19  | 20.07   |
| 5                                       | 25      | 0         |        | 20.39  | 20.31  | 20.10   |
| 3                                       | 1       | 0         | QPSK   | 23.24  | 23.28  | 23.32   |
| 3                                       | 1       | 8         |        | 23.38  | 23.38  | 23.23   |
| 3                                       | 1       | 14        |        | 23.34  | 23.39  | 23.36   |
| 3                                       | 8       | 0         |        | 22.28  | 22.19  | 22.19   |
| 3                                       | 8       | 4         |        | 22.33  | 22.21  | 22.21   |
| 3                                       | 8       | 7         |        | 22.19  | 22.35  | 22.17   |
| 3                                       | 15      | 0         |        | 22.25  | 22.23  | 22.23   |
| 3                                       | 1       | 0         | 16-QAM | 22.43  | 22.59  | 22.57   |
| 3                                       | 1       | 8         |        | 22.61  | 22.69  | 22.59   |
| 3                                       | 1       | 14        |        | 22.61  | 22.66  | 22.62   |
| 3                                       | 8       | 0         |        | 21.29  | 21.25  | 21.17   |
| 3                                       | 8       | 4         |        | 21.31  | 21.32  | 21.08   |
| 3                                       | 8       | 7         |        | 21.26  | 21.32  | 21.16   |
| 3                                       | 15      | 0         |        | 21.32  | 21.39  | 21.18   |
| 3                                       | 1       | 0         | 64-QAM | 21.46  | 21.49  | 21.58   |
| 3                                       | 1       | 8         |        | 21.47  | 21.58  | 21.37   |
| 3                                       | 1       | 14        |        | 21.52  | 21.50  | 21.36   |
| 3                                       | 8       | 0         |        | 20.32  | 20.20  | 20.22   |
| 3                                       | 8       | 4         |        | 20.29  | 20.35  | 20.09   |
| 3                                       | 8       | 7         |        | 20.20  | 20.20  | 20.20   |
| 3                                       | 15      | 0         |        | 20.40  | 20.33  | 20.19   |



| LTE Band 26 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 1.4                                     | 1       | 0         | QPSK   | 23.17  | 23.29  | 23.32   |
| 1.4                                     | 1       | 3         |        | 23.36  | 23.25  | 23.29   |
| 1.4                                     | 1       | 5         |        | 23.33  | 23.28  | 23.32   |
| 1.4                                     | 3       | 0         |        | 22.18  | 22.23  | 22.17   |
| 1.4                                     | 3       | 1         |        | 22.39  | 22.20  | 22.25   |
| 1.4                                     | 3       | 3         |        | 22.32  | 22.29  | 22.11   |
| 1.4                                     | 6       | 0         |        | 22.39  | 22.27  | 22.34   |
| 1.4                                     | 1       | 0         | 16-QAM | 22.62  | 22.43  | 22.67   |
| 1.4                                     | 1       | 3         |        | 22.54  | 22.64  | 22.59   |
| 1.4                                     | 1       | 5         |        | 22.63  | 22.61  | 22.61   |
| 1.4                                     | 3       | 0         |        | 21.31  | 21.05  | 21.26   |
| 1.4                                     | 3       | 1         |        | 21.21  | 21.36  | 21.12   |
| 1.4                                     | 3       | 3         |        | 21.18  | 21.26  | 21.21   |
| 1.4                                     | 6       | 0         |        | 21.33  | 21.34  | 21.11   |
| 1.4                                     | 1       | 0         | 64-QAM | 21.39  | 21.51  | 21.39   |
| 1.4                                     | 1       | 3         |        | 21.61  | 21.53  | 21.37   |
| 1.4                                     | 1       | 5         |        | 21.46  | 21.42  | 21.50   |
| 1.4                                     | 3       | 0         |        | 20.30  | 20.11  | 20.13   |
| 1.4                                     | 3       | 1         |        | 20.18  | 20.38  | 20.22   |
| 1.4                                     | 3       | 3         |        | 20.15  | 20.33  | 20.18   |
| 1.4                                     | 6       | 0         |        | 20.38  | 20.43  | 20.11   |



| LTE Band 38 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 20                                      | 1       | 0         | QPSK   | 23.58  | 23.27  | 23.49   |
| 20                                      | 1       | 49        |        | 23.44  | 23.38  | 23.45   |
| 20                                      | 1       | 99        |        | 23.50  | 23.56  | 23.44   |
| 20                                      | 50      | 0         |        | 22.48  | 22.31  | 22.48   |
| 20                                      | 50      | 24        |        | 22.44  | 22.37  | 22.43   |
| 20                                      | 50      | 50        |        | 22.40  | 22.46  | 22.40   |
| 20                                      | 100     | 0         |        | 22.45  | 22.38  | 22.45   |
| 20                                      | 1       | 0         | 16-QAM | 22.73  | 22.41  | 22.66   |
| 20                                      | 1       | 49        |        | 22.61  | 22.53  | 22.61   |
| 20                                      | 1       | 99        |        | 22.66  | 22.73  | 22.63   |
| 20                                      | 50      | 0         |        | 21.49  | 21.31  | 21.49   |
| 20                                      | 50      | 24        |        | 21.45  | 21.38  | 21.43   |
| 20                                      | 50      | 50        |        | 21.38  | 21.46  | 21.41   |
| 20                                      | 100     | 0         |        | 21.44  | 21.38  | 21.44   |
| 20                                      | 1       | 0         | 64-QAM | 21.72  | 21.39  | 21.67   |
| 20                                      | 1       | 49        |        | 21.57  | 21.52  | 21.59   |
| 20                                      | 1       | 99        |        | 21.62  | 21.70  | 21.57   |
| 20                                      | 50      | 0         |        | 20.51  | 20.31  | 20.49   |
| 20                                      | 50      | 24        |        | 20.43  | 20.41  | 20.44   |
| 20                                      | 50      | 50        |        | 20.37  | 20.47  | 20.44   |
| 20                                      | 100     | 0         |        | 20.43  | 20.41  | 20.45   |
| 15                                      | 1       | 0         | QPSK   | 23.44  | 23.27  | 23.45   |
| 15                                      | 1       | 37        |        | 23.40  | 23.18  | 23.26   |
| 15                                      | 1       | 74        |        | 23.38  | 23.55  | 23.33   |
| 15                                      | 36      | 0         |        | 22.42  | 22.24  | 22.32   |
| 15                                      | 36      | 20        |        | 22.32  | 22.26  | 22.23   |
| 15                                      | 36      | 39        |        | 22.20  | 22.36  | 22.26   |
| 15                                      | 75      | 0         |        | 22.35  | 22.21  | 22.37   |
| 15                                      | 1       | 0         | 16-QAM | 22.72  | 22.33  | 22.62   |
| 15                                      | 1       | 37        |        | 22.50  | 22.36  | 22.61   |
| 15                                      | 1       | 74        |        | 22.54  | 22.55  | 22.49   |
| 15                                      | 36      | 0         |        | 21.48  | 21.13  | 21.42   |
| 15                                      | 36      | 20        |        | 21.34  | 21.21  | 21.24   |
| 15                                      | 36      | 39        |        | 21.20  | 21.44  | 21.36   |
| 15                                      | 75      | 0         |        | 21.38  | 21.21  | 21.37   |
| 15                                      | 1       | 0         | 64-QAM | 21.67  | 21.25  | 21.63   |
| 15                                      | 1       | 37        |        | 21.40  | 21.51  | 21.40   |
| 15                                      | 1       | 74        |        | 21.45  | 21.61  | 21.53   |
| 15                                      | 36      | 0         |        | 20.46  | 20.31  | 20.30   |
| 15                                      | 36      | 20        |        | 20.28  | 20.30  | 20.37   |
| 15                                      | 36      | 39        |        | 20.32  | 20.27  | 20.33   |
| 15                                      | 75      | 0         |        | 20.24  | 20.38  | 20.27   |



| LTE Band 38 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   | 23.41  | 23.19  | 23.46   |
| 10                                      | 1       | 25        |        | 23.34  | 23.34  | 23.28   |
| 10                                      | 1       | 49        |        | 23.34  | 23.43  | 23.27   |
| 10                                      | 25      | 0         |        | 22.31  | 22.12  | 22.43   |
| 10                                      | 25      | 12        |        | 22.30  | 22.24  | 22.30   |
| 10                                      | 25      | 25        |        | 22.33  | 22.27  | 22.29   |
| 10                                      | 50      | 0         |        | 22.33  | 22.31  | 22.31   |
| 10                                      | 1       | 0         | 16-QAM | 22.56  | 22.36  | 22.46   |
| 10                                      | 1       | 25        |        | 22.61  | 22.53  | 22.53   |
| 10                                      | 1       | 49        |        | 22.48  | 22.60  | 22.60   |
| 10                                      | 25      | 0         |        | 21.30  | 21.17  | 21.33   |
| 10                                      | 25      | 12        |        | 21.28  | 21.20  | 21.32   |
| 10                                      | 25      | 25        |        | 21.24  | 21.43  | 21.35   |
| 10                                      | 50      | 0         |        | 21.42  | 21.21  | 21.42   |
| 10                                      | 1       | 0         | 64-QAM | 21.54  | 21.38  | 21.49   |
| 10                                      | 1       | 25        |        | 21.41  | 21.44  | 21.43   |
| 10                                      | 1       | 49        |        | 21.47  | 21.59  | 21.45   |
| 10                                      | 25      | 0         |        | 20.40  | 20.20  | 20.39   |
| 10                                      | 25      | 12        |        | 20.41  | 20.36  | 20.37   |
| 10                                      | 25      | 25        |        | 20.34  | 20.31  | 20.42   |
| 10                                      | 50      | 0         |        | 20.43  | 20.27  | 20.45   |
| 5                                       | 1       | 0         | QPSK   | 23.58  | 23.11  | 23.30   |
| 5                                       | 1       | 12        |        | 23.32  | 23.38  | 23.37   |
| 5                                       | 1       | 24        |        | 23.46  | 23.37  | 23.25   |
| 5                                       | 12      | 0         |        | 22.30  | 22.15  | 22.41   |
| 5                                       | 12      | 7         |        | 22.34  | 22.18  | 22.40   |
| 5                                       | 12      | 13        |        | 22.24  | 22.42  | 22.35   |
| 5                                       | 25      | 0         |        | 22.28  | 22.18  | 22.33   |
| 5                                       | 1       | 0         | 16-QAM | 22.63  | 22.37  | 22.54   |
| 5                                       | 1       | 12        |        | 22.58  | 22.36  | 22.46   |
| 5                                       | 1       | 24        |        | 22.56  | 22.69  | 22.46   |
| 5                                       | 12      | 0         |        | 21.43  | 21.23  | 21.44   |
| 5                                       | 12      | 7         |        | 21.25  | 21.23  | 21.39   |
| 5                                       | 12      | 13        |        | 21.26  | 21.46  | 21.21   |
| 5                                       | 25      | 0         |        | 21.37  | 21.27  | 21.38   |
| 5                                       | 1       | 0         | 64-QAM | 21.52  | 21.23  | 21.58   |
| 5                                       | 1       | 12        |        | 21.38  | 21.39  | 21.44   |
| 5                                       | 1       | 24        |        | 21.61  | 21.64  | 21.42   |
| 5                                       | 12      | 0         |        | 20.45  | 20.16  | 20.43   |
| 5                                       | 12      | 7         |        | 20.36  | 20.28  | 20.42   |
| 5                                       | 12      | 13        |        | 20.17  | 20.32  | 20.27   |
| 5                                       | 25      | 0         |        | 20.31  | 20.34  | 20.43   |



| LTE Band 41 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 20                                      | 1       | 0         | QPSK   | 23.64  | 23.28  | 23.53   |
| 20                                      | 1       | 49        |        | 23.64  | 23.38  | 23.50   |
| 20                                      | 1       | 99        |        | 23.58  | 23.57  | 23.47   |
| 20                                      | 50      | 0         |        | 22.68  | 22.33  | 22.53   |
| 20                                      | 50      | 24        |        | 22.66  | 22.38  | 22.54   |
| 20                                      | 50      | 50        |        | 22.66  | 22.48  | 22.49   |
| 20                                      | 100     | 0         |        | 22.67  | 22.40  | 22.49   |
| 20                                      | 1       | 0         | 16-QAM | 22.89  | 22.41  | 22.68   |
| 20                                      | 1       | 49        |        | 22.89  | 22.54  | 22.67   |
| 20                                      | 1       | 99        |        | 22.79  | 22.74  | 22.62   |
| 20                                      | 50      | 0         |        | 21.62  | 21.34  | 21.57   |
| 20                                      | 50      | 24        |        | 21.61  | 21.40  | 21.55   |
| 20                                      | 50      | 50        |        | 21.62  | 21.48  | 21.49   |
| 20                                      | 100     | 0         |        | 21.65  | 21.40  | 21.47   |
| 20                                      | 1       | 0         | 64-QAM | 21.84  | 21.37  | 21.68   |
| 20                                      | 1       | 49        |        | 21.81  | 21.47  | 21.66   |
| 20                                      | 1       | 99        |        | 21.74  | 21.66  | 21.60   |
| 20                                      | 50      | 0         |        | 20.65  | 20.33  | 20.55   |
| 20                                      | 50      | 24        |        | 20.64  | 20.42  | 20.57   |
| 20                                      | 50      | 50        |        | 20.63  | 20.49  | 20.53   |
| 20                                      | 100     | 0         |        | 20.66  | 20.43  | 20.49   |
| 15                                      | 1       | 0         | QPSK   | 23.57  | 23.21  | 23.35   |
| 15                                      | 1       | 37        |        | 23.45  | 23.38  | 23.35   |
| 15                                      | 1       | 74        |        | 23.50  | 23.50  | 23.38   |
| 15                                      | 36      | 0         |        | 22.63  | 22.26  | 22.37   |
| 15                                      | 36      | 20        |        | 22.50  | 22.25  | 22.51   |
| 15                                      | 36      | 39        |        | 22.64  | 22.40  | 22.34   |
| 15                                      | 75      | 0         |        | 22.52  | 22.34  | 22.48   |
| 15                                      | 1       | 0         | 16-QAM | 22.74  | 22.27  | 22.65   |
| 15                                      | 1       | 37        |        | 22.80  | 22.34  | 22.49   |
| 15                                      | 1       | 74        |        | 22.65  | 22.68  | 22.57   |
| 15                                      | 36      | 0         |        | 21.57  | 21.31  | 21.55   |
| 15                                      | 36      | 20        |        | 21.48  | 21.28  | 21.49   |
| 15                                      | 36      | 39        |        | 21.42  | 21.46  | 21.34   |
| 15                                      | 75      | 0         |        | 21.45  | 21.23  | 21.40   |
| 15                                      | 1       | 0         | 64-QAM | 21.83  | 21.36  | 21.60   |
| 15                                      | 1       | 37        |        | 21.68  | 21.34  | 21.66   |
| 15                                      | 1       | 74        |        | 21.60  | 21.66  | 21.50   |
| 15                                      | 36      | 0         |        | 20.51  | 20.30  | 20.46   |
| 15                                      | 36      | 20        |        | 20.56  | 20.41  | 20.51   |
| 15                                      | 36      | 39        |        | 20.61  | 20.39  | 20.48   |
| 15                                      | 75      | 0         |        | 20.54  | 20.26  | 20.45   |



| LTE Band 41 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   | 23.53  | 23.18  | 23.39   |
| 10                                      | 1       | 25        |        | 23.50  | 23.31  | 23.41   |
| 10                                      | 1       | 49        |        | 23.43  | 23.41  | 23.34   |
| 10                                      | 25      | 0         |        | 22.56  | 22.30  | 22.40   |
| 10                                      | 25      | 12        |        | 22.54  | 22.27  | 22.44   |
| 10                                      | 25      | 25        |        | 22.59  | 22.28  | 22.36   |
| 10                                      | 50      | 0         |        | 22.49  | 22.24  | 22.29   |
| 10                                      | 1       | 0         | 16-QAM | 22.69  | 22.36  | 22.67   |
| 10                                      | 1       | 25        |        | 22.77  | 22.54  | 22.60   |
| 10                                      | 1       | 49        |        | 22.72  | 22.56  | 22.58   |
| 10                                      | 25      | 0         |        | 21.49  | 21.20  | 21.42   |
| 10                                      | 25      | 12        |        | 21.48  | 21.34  | 21.44   |
| 10                                      | 25      | 25        |        | 21.52  | 21.29  | 21.31   |
| 10                                      | 50      | 0         |        | 21.59  | 21.21  | 21.31   |
| 10                                      | 1       | 0         | 64-QAM | 21.74  | 21.35  | 21.65   |
| 10                                      | 1       | 25        |        | 21.77  | 21.35  | 21.63   |
| 10                                      | 1       | 49        |        | 21.62  | 21.64  | 21.48   |
| 10                                      | 25      | 0         |        | 20.60  | 20.15  | 20.39   |
| 10                                      | 25      | 12        |        | 20.44  | 20.25  | 20.47   |
| 10                                      | 25      | 25        |        | 20.49  | 20.29  | 20.51   |
| 10                                      | 50      | 0         |        | 20.51  | 20.28  | 20.48   |
| 5                                       | 1       | 0         | QPSK   | 23.48  | 23.26  | 23.41   |
| 5                                       | 1       | 12        |        | 23.52  | 23.36  | 23.44   |
| 5                                       | 1       | 24        |        | 23.52  | 23.41  | 23.47   |
| 5                                       | 12      | 0         |        | 22.56  | 22.24  | 22.49   |
| 5                                       | 12      | 7         |        | 22.49  | 22.34  | 22.42   |
| 5                                       | 12      | 13        |        | 22.58  | 22.37  | 22.36   |
| 5                                       | 25      | 0         |        | 22.51  | 22.37  | 22.33   |
| 5                                       | 1       | 0         | 16-QAM | 22.72  | 22.29  | 22.59   |
| 5                                       | 1       | 12        |        | 22.80  | 22.54  | 22.50   |
| 5                                       | 1       | 24        |        | 22.77  | 22.65  | 22.46   |
| 5                                       | 12      | 0         |        | 21.44  | 21.26  | 21.54   |
| 5                                       | 12      | 7         |        | 21.42  | 21.27  | 21.50   |
| 5                                       | 12      | 13        |        | 21.58  | 21.35  | 21.32   |
| 5                                       | 25      | 0         |        | 21.56  | 21.26  | 21.42   |
| 5                                       | 1       | 0         | 64-QAM | 21.75  | 21.29  | 21.67   |
| 5                                       | 1       | 12        |        | 21.74  | 21.39  | 21.50   |
| 5                                       | 1       | 24        |        | 21.69  | 21.58  | 21.41   |
| 5                                       | 12      | 0         |        | 20.62  | 20.23  | 20.53   |
| 5                                       | 12      | 7         |        | 20.56  | 20.41  | 20.39   |
| 5                                       | 12      | 13        |        | 20.47  | 20.39  | 20.37   |
| 5                                       | 25      | 0         |        | 20.58  | 20.27  | 20.43   |



| LTE Band 66 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 20                                      | 1       | 0         | QPSK   | 23.73  | 23.75  | 23.78   |
| 20                                      | 1       | 49        |        | 23.58  | 23.70  | 23.74   |
| 20                                      | 1       | 99        |        | 23.64  | 23.57  | 23.62   |
| 20                                      | 50      | 0         |        | 22.71  | 22.77  | 22.68   |
| 20                                      | 50      | 24        |        | 22.56  | 22.77  | 22.74   |
| 20                                      | 50      | 50        |        | 22.67  | 22.60  | 22.69   |
| 20                                      | 100     | 0         |        | 22.65  | 22.75  | 22.82   |
| 20                                      | 1       | 0         | 16-QAM | 22.84  | 22.91  | 22.90   |
| 20                                      | 1       | 49        |        | 22.89  | 22.85  | 22.98   |
| 20                                      | 1       | 99        |        | 22.90  | 22.90  | 22.90   |
| 20                                      | 50      | 0         |        | 21.69  | 21.81  | 21.68   |
| 20                                      | 50      | 24        |        | 21.55  | 21.80  | 21.74   |
| 20                                      | 50      | 50        |        | 21.67  | 21.59  | 21.70   |
| 20                                      | 100     | 0         |        | 21.64  | 21.76  | 21.81   |
| 20                                      | 1       | 0         | 64-QAM | 21.97  | 21.97  | 21.99   |
| 20                                      | 1       | 49        |        | 21.76  | 21.95  | 21.93   |
| 20                                      | 1       | 99        |        | 21.78  | 21.75  | 21.83   |
| 20                                      | 50      | 0         |        | 20.72  | 20.79  | 20.70   |
| 20                                      | 50      | 24        |        | 20.56  | 20.77  | 20.77   |
| 20                                      | 50      | 50        |        | 20.66  | 20.58  | 20.71   |
| 20                                      | 100     | 0         |        | 20.65  | 20.73  | 20.84   |
| 15                                      | 1       | 0         | QPSK   | 23.61  | 23.70  | 23.68   |
| 15                                      | 1       | 37        |        | 23.56  | 23.50  | 23.64   |
| 15                                      | 1       | 74        |        | 23.53  | 23.37  | 23.59   |
| 15                                      | 36      | 0         |        | 22.55  | 22.62  | 22.51   |
| 15                                      | 36      | 20        |        | 22.56  | 22.60  | 22.57   |
| 15                                      | 36      | 39        |        | 22.49  | 22.44  | 22.57   |
| 15                                      | 75      | 0         |        | 22.56  | 22.66  | 22.66   |
| 15                                      | 1       | 0         | 16-QAM | 22.81  | 22.95  | 22.99   |
| 15                                      | 1       | 37        |        | 22.71  | 22.94  | 23.00   |
| 15                                      | 1       | 74        |        | 22.84  | 22.79  | 22.74   |
| 15                                      | 36      | 0         |        | 21.66  | 21.61  | 21.60   |
| 15                                      | 36      | 20        |        | 21.35  | 21.73  | 21.65   |
| 15                                      | 36      | 39        |        | 21.60  | 21.59  | 21.54   |
| 15                                      | 75      | 0         |        | 21.48  | 21.64  | 21.62   |
| 15                                      | 1       | 0         | 64-QAM | 21.81  | 21.84  | 21.93   |
| 15                                      | 1       | 37        |        | 21.73  | 21.84  | 21.81   |
| 15                                      | 1       | 74        |        | 21.65  | 21.56  | 21.72   |
| 15                                      | 36      | 0         |        | 20.63  | 20.64  | 20.65   |
| 15                                      | 36      | 20        |        | 20.47  | 20.57  | 20.57   |
| 15                                      | 36      | 39        |        | 20.49  | 20.40  | 20.59   |
| 15                                      | 75      | 0         |        | 20.62  | 20.70  | 20.64   |



| LTE Band 66 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 10                                      | 1       | 0         | QPSK   | 23.68  | 23.55  | 23.61   |
| 10                                      | 1       | 25        |        | 23.55  | 23.63  | 23.72   |
| 10                                      | 1       | 49        |        | 23.49  | 23.42  | 23.45   |
| 10                                      | 25      | 0         |        | 22.56  | 22.73  | 22.68   |
| 10                                      | 25      | 12        |        | 22.43  | 22.65  | 22.65   |
| 10                                      | 25      | 25        |        | 22.48  | 22.48  | 22.62   |
| 10                                      | 50      | 0         |        | 22.56  | 22.75  | 22.62   |
| 10                                      | 1       | 0         | 16-QAM | 22.88  | 22.99  | 22.94   |
| 10                                      | 1       | 25        |        | 22.74  | 23.00  | 22.85   |
| 10                                      | 1       | 49        |        | 22.84  | 22.89  | 22.90   |
| 10                                      | 25      | 0         |        | 21.54  | 21.80  | 21.50   |
| 10                                      | 25      | 12        |        | 21.51  | 21.79  | 21.63   |
| 10                                      | 25      | 25        |        | 21.63  | 21.39  | 21.52   |
| 10                                      | 50      | 0         |        | 21.53  | 21.69  | 21.66   |
| 10                                      | 1       | 0         | 64-QAM | 21.84  | 21.81  | 21.82   |
| 10                                      | 1       | 25        |        | 21.68  | 21.85  | 21.76   |
| 10                                      | 1       | 49        |        | 21.59  | 21.75  | 21.75   |
| 10                                      | 25      | 0         |        | 20.57  | 20.71  | 20.65   |
| 10                                      | 25      | 12        |        | 20.55  | 20.74  | 20.61   |
| 10                                      | 25      | 25        |        | 20.47  | 20.53  | 20.66   |
| 10                                      | 50      | 0         |        | 20.63  | 20.59  | 20.84   |
| 5                                       | 1       | 0         | QPSK   | 23.68  | 23.73  | 23.71   |
| 5                                       | 1       | 12        |        | 23.43  | 23.50  | 23.63   |
| 5                                       | 1       | 24        |        | 23.48  | 23.53  | 23.61   |
| 5                                       | 12      | 0         |        | 22.60  | 22.65  | 22.64   |
| 5                                       | 12      | 7         |        | 22.56  | 22.57  | 22.63   |
| 5                                       | 12      | 13        |        | 22.52  | 22.55  | 22.52   |
| 5                                       | 25      | 0         |        | 22.65  | 22.72  | 22.79   |
| 5                                       | 1       | 0         | 16-QAM | 22.99  | 22.97  | 22.98   |
| 5                                       | 1       | 12        |        | 22.73  | 22.96  | 22.98   |
| 5                                       | 1       | 24        |        | 22.76  | 22.81  | 22.85   |
| 5                                       | 12      | 0         |        | 21.60  | 21.64  | 21.65   |
| 5                                       | 12      | 7         |        | 21.44  | 21.64  | 21.74   |
| 5                                       | 12      | 13        |        | 21.55  | 21.52  | 21.59   |
| 5                                       | 25      | 0         |        | 21.62  | 21.70  | 21.68   |
| 5                                       | 1       | 0         | 64-QAM | 21.83  | 21.93  | 21.79   |
| 5                                       | 1       | 12        |        | 21.56  | 21.81  | 21.87   |
| 5                                       | 1       | 24        |        | 21.69  | 21.69  | 21.68   |
| 5                                       | 12      | 0         |        | 20.57  | 20.64  | 20.69   |
| 5                                       | 12      | 7         |        | 20.42  | 20.72  | 20.58   |
| 5                                       | 12      | 13        |        | 20.52  | 20.53  | 20.51   |
| 5                                       | 25      | 0         |        | 20.63  | 20.53  | 20.71   |



| LTE Band 66 Maximum Average Power [dBm] |         |           |        |        |        |         |
|-----------------------------------------|---------|-----------|--------|--------|--------|---------|
| BW [MHz]                                | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 3                                       | 1       | 0         | QPSK   | 23.62  | 23.59  | 23.62   |
| 3                                       | 1       | 8         |        | 23.49  | 23.63  | 23.56   |
| 3                                       | 1       | 14        |        | 23.49  | 23.50  | 23.44   |
| 3                                       | 8       | 0         |        | 22.55  | 22.74  | 22.62   |
| 3                                       | 8       | 4         |        | 22.49  | 22.73  | 22.65   |
| 3                                       | 8       | 7         |        | 22.65  | 22.57  | 22.62   |
| 3                                       | 15      | 0         |        | 22.52  | 22.62  | 22.78   |
| 3                                       | 1       | 0         | 16-QAM | 22.84  | 22.93  | 22.97   |
| 3                                       | 1       | 8         |        | 22.80  | 22.98  | 22.92   |
| 3                                       | 1       | 14        |        | 22.90  | 22.90  | 22.87   |
| 3                                       | 8       | 0         |        | 21.64  | 21.61  | 21.59   |
| 3                                       | 8       | 4         |        | 21.47  | 21.62  | 21.68   |
| 3                                       | 8       | 7         |        | 21.57  | 21.49  | 21.68   |
| 3                                       | 15      | 0         |        | 21.63  | 21.68  | 21.63   |
| 3                                       | 1       | 0         | 64-QAM | 21.86  | 21.97  | 21.93   |
| 3                                       | 1       | 8         |        | 21.63  | 21.88  | 21.91   |
| 3                                       | 1       | 14        |        | 21.65  | 21.58  | 21.64   |
| 3                                       | 8       | 0         |        | 20.66  | 20.64  | 20.63   |
| 3                                       | 8       | 4         |        | 20.36  | 20.59  | 20.61   |
| 3                                       | 8       | 7         |        | 20.55  | 20.48  | 20.58   |
| 3                                       | 15      | 0         |        | 20.60  | 20.58  | 20.64   |
| 1.4                                     | 1       | 0         | QPSK   | 23.55  | 23.59  | 23.74   |
| 1.4                                     | 1       | 3         |        | 23.53  | 23.60  | 23.56   |
| 1.4                                     | 1       | 5         |        | 23.61  | 23.54  | 23.48   |
| 1.4                                     | 3       | 0         |        | 22.61  | 22.64  | 22.68   |
| 1.4                                     | 3       | 1         |        | 22.41  | 22.61  | 22.70   |
| 1.4                                     | 3       | 3         |        | 22.59  | 22.56  | 22.54   |
| 1.4                                     | 6       | 0         |        | 22.61  | 22.74  | 22.62   |
| 1.4                                     | 1       | 0         | 16-QAM | 22.97  | 22.90  | 22.92   |
| 1.4                                     | 1       | 3         |        | 22.75  | 22.97  | 22.99   |
| 1.4                                     | 1       | 5         |        | 22.88  | 22.77  | 22.78   |
| 1.4                                     | 3       | 0         |        | 21.69  | 21.72  | 21.50   |
| 1.4                                     | 3       | 1         |        | 21.40  | 21.63  | 21.68   |
| 1.4                                     | 3       | 3         |        | 21.63  | 21.46  | 21.63   |
| 1.4                                     | 6       | 0         |        | 21.45  | 21.75  | 21.70   |
| 1.4                                     | 1       | 0         | 64-QAM | 21.96  | 21.92  | 21.82   |
| 1.4                                     | 1       | 3         |        | 21.56  | 21.89  | 21.73   |
| 1.4                                     | 1       | 5         |        | 21.78  | 21.65  | 21.73   |
| 1.4                                     | 3       | 0         |        | 20.63  | 20.67  | 20.55   |
| 1.4                                     | 3       | 1         |        | 20.47  | 20.64  | 20.57   |
| 1.4                                     | 3       | 3         |        | 20.58  | 20.49  | 20.53   |
| 1.4                                     | 6       | 0         |        | 20.58  | 20.67  | 20.82   |



## Appendix B. Test Results of ERP/EIRP and Radiated Test

**ERP/EIRP**

| LTE Band 2 / 1.4MHz (Average) (GT - LC = -1.54 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 3      | 23.31       | 0.2143        | 21.77     | 0.1503  |
| Middle                                             |           | 1    | 3      | 23.59       | 0.2286        | 22.05     | 0.1603  |
| Highest                                            |           | 1    | 3      | 23.38       | 0.2178        | 21.84     | 0.1528  |
| Lowest                                             | 16QAM     | 1    | 3      | 22.76       | 0.1888        | 21.22     | 0.1324  |
| Middle                                             |           | 1    | 3      | 22.87       | 0.1936        | 21.33     | 0.1358  |
| Highest                                            |           | 1    | 3      | 22.51       | 0.1782        | 20.97     | 0.1250  |
| Lowest                                             | 64QAM     | 1    | 3      | 21.63       | 0.1455        | 20.09     | 0.1021  |
| Middle                                             |           | 1    | 3      | 21.76       | 0.1500        | 20.22     | 0.1052  |
| Highest                                            |           | 1    | 3      | 21.50       | 0.1413        | 19.96     | 0.0991  |
| Limit                                              | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 3MHz (Average) (GT - LC = -1.54 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 8      | 23.39       | 0.2183        | 21.85     | 0.1531  |
| Middle                                           |           | 1    | 8      | 23.60       | 0.2291        | 22.06     | 0.1607  |
| Highest                                          |           | 1    | 8      | 23.36       | 0.2168        | 21.82     | 0.1521  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.58       | 0.1811        | 21.04     | 0.1271  |
| Middle                                           |           | 1    | 0      | 22.77       | 0.1892        | 21.23     | 0.1327  |
| Highest                                          |           | 1    | 0      | 22.64       | 0.1837        | 21.10     | 0.1288  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.59       | 0.1442        | 20.05     | 0.1012  |
| Middle                                           |           | 1    | 0      | 21.72       | 0.1486        | 20.18     | 0.1042  |
| Highest                                          |           | 1    | 0      | 21.52       | 0.1419        | 19.98     | 0.0995  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 5MHz (Average) (GT - LC = -1.54 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.34       | 0.2158        | 21.80     | 0.1514  |
| Middle                                           |           | 1    | 0      | 23.52       | 0.2249        | 21.98     | 0.1578  |
| Highest                                          |           | 1    | 0      | 23.43       | 0.2203        | 21.89     | 0.1545  |
| Lowest                                           | 16QAM     | 1    | 12     | 22.77       | 0.1892        | 21.23     | 0.1327  |
| Middle                                           |           | 1    | 12     | 22.79       | 0.1901        | 21.25     | 0.1334  |
| Highest                                          |           | 1    | 12     | 22.64       | 0.1837        | 21.10     | 0.1288  |
| Lowest                                           | 64QAM     | 1    | 12     | 21.63       | 0.1455        | 20.09     | 0.1021  |
| Middle                                           |           | 1    | 12     | 21.72       | 0.1486        | 20.18     | 0.1042  |
| Highest                                          |           | 1    | 12     | 21.43       | 0.1390        | 19.89     | 0.0975  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 2 / 10MHz (Average) (GT - LC = -1.54 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.31       | 0.2143        | 21.77     | 0.1503  |
| Middle                                            |           | 1    | 0      | 23.55       | 0.2265        | 22.01     | 0.1589  |
| Highest                                           |           | 1    | 0      | 23.35       | 0.2163        | 21.81     | 0.1517  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.66       | 0.1845        | 21.12     | 0.1294  |
| Middle                                            |           | 1    | 0      | 22.82       | 0.1914        | 21.28     | 0.1343  |
| Highest                                           |           | 1    | 0      | 22.66       | 0.1845        | 21.12     | 0.1294  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.55       | 0.1429        | 20.01     | 0.1002  |
| Middle                                            |           | 1    | 0      | 21.69       | 0.1476        | 20.15     | 0.1035  |
| Highest                                           |           | 1    | 0      | 21.53       | 0.1422        | 19.99     | 0.0998  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 15MHz (Average) (GT - LC = -1.54 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 37     | 23.37       | 0.2173        | 21.83     | 0.1524  |
| Middle                                            |           | 1    | 37     | 23.59       | 0.2286        | 22.05     | 0.1603  |
| Highest                                           |           | 1    | 37     | 23.29       | 0.2133        | 21.75     | 0.1496  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.64       | 0.1837        | 21.10     | 0.1288  |
| Middle                                            |           | 1    | 0      | 22.87       | 0.1936        | 21.33     | 0.1358  |
| Highest                                           |           | 1    | 0      | 22.70       | 0.1862        | 21.16     | 0.1306  |
| Lowest                                            | 64QAM     | 1    | 37     | 21.52       | 0.1419        | 19.98     | 0.0995  |
| Middle                                            |           | 1    | 37     | 21.72       | 0.1486        | 20.18     | 0.1042  |
| Highest                                           |           | 1    | 37     | 21.51       | 0.1416        | 19.97     | 0.0993  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 2 / 20MHz (Average) (GT - LC = -1.54 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 49     | 23.42       | 0.2198        | 21.88     | 0.1542  |
| Middle                                            |           | 1    | 49     | 23.61       | 0.2296        | 22.07     | 0.1611  |
| Highest                                           |           | 1    | 49     | 23.38       | 0.2178        | 21.84     | 0.1528  |
| Lowest                                            | 16QAM     | 1    | 49     | 22.78       | 0.1897        | 21.24     | 0.1330  |
| Middle                                            |           | 1    | 49     | 22.90       | 0.1950        | 21.36     | 0.1368  |
| Highest                                           |           | 1    | 49     | 22.68       | 0.1854        | 21.14     | 0.1300  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.71       | 0.1483        | 20.17     | 0.1040  |
| Middle                                            |           | 1    | 0      | 21.79       | 0.1510        | 20.25     | 0.1059  |
| Highest                                           |           | 1    | 0      | 21.64       | 0.1459        | 20.10     | 0.1023  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 25 / 1.4MHz (Average) (GT - LC = -1.58 dB) |           |      |        |             |               |           |         |
|-----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                             | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                     |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                              | QPSK      | 1    | 0      | 23.57       | 0.2275        | 21.99     | 0.1581  |
| Middle                                              |           | 1    | 0      | 23.55       | 0.2265        | 21.97     | 0.1574  |
| Highest                                             |           | 1    | 0      | 23.46       | 0.2218        | 21.88     | 0.1542  |
| Lowest                                              | 16QAM     | 3    | 1      | 22.98       | 0.1986        | 21.40     | 0.1380  |
| Middle                                              |           | 3    | 1      | 21.57       | 0.1435        | 19.99     | 0.0998  |
| Highest                                             |           | 3    | 1      | 21.33       | 0.1358        | 19.75     | 0.0944  |
| Lowest                                              | 64QAM     | 1    | 0      | 21.79       | 0.1510        | 20.21     | 0.1050  |
| Middle                                              |           | 1    | 0      | 21.66       | 0.1466        | 20.08     | 0.1019  |
| Highest                                             |           | 1    | 0      | 21.77       | 0.1503        | 20.19     | 0.1045  |
| Limit                                               | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 25 / 3MHz (Average) (GT - LC = -1.58 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.57       | 0.2275        | 21.99     | 0.1581  |
| Middle                                            |           | 1    | 0      | 23.61       | 0.2296        | 22.03     | 0.1596  |
| Highest                                           |           | 1    | 0      | 23.41       | 0.2193        | 21.83     | 0.1524  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.81       | 0.1910        | 21.23     | 0.1327  |
| Middle                                            |           | 1    | 0      | 22.96       | 0.1977        | 21.38     | 0.1374  |
| Highest                                           |           | 1    | 0      | 22.86       | 0.1932        | 21.28     | 0.1343  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.78       | 0.1507        | 20.20     | 0.1047  |
| Middle                                            |           | 1    | 0      | 21.72       | 0.1486        | 20.14     | 0.1033  |
| Highest                                           |           | 1    | 0      | 21.87       | 0.1538        | 20.29     | 0.1069  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 25 / 5MHz (Average) (GT - LC = -1.58 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.72       | 0.2355        | 22.14     | 0.1637  |
| Middle                                            |           | 1    | 0      | 23.63       | 0.2307        | 22.05     | 0.1603  |
| Highest                                           |           | 1    | 0      | 23.46       | 0.2218        | 21.88     | 0.1542  |
| Lowest                                            | 16QAM     | 1    | 0      | 23.00       | 0.1995        | 21.42     | 0.1387  |
| Middle                                            |           | 1    | 0      | 22.79       | 0.1901        | 21.21     | 0.1321  |
| Highest                                           |           | 1    | 0      | 22.88       | 0.1941        | 21.30     | 0.1349  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.89       | 0.1545        | 20.31     | 0.1074  |
| Middle                                            |           | 1    | 0      | 21.74       | 0.1493        | 20.16     | 0.1038  |
| Highest                                           |           | 1    | 0      | 21.82       | 0.1521        | 20.24     | 0.1057  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 25 / 10MHz (Average) (GT - LC = -1.58 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 0      | 23.64       | 0.2312        | 22.06     | 0.1607  |
| Middle                                             |           | 1    | 0      | 23.54       | 0.2259        | 21.96     | 0.1570  |
| Highest                                            |           | 1    | 0      | 23.48       | 0.2228        | 21.90     | 0.1549  |
| Lowest                                             | 16QAM     | 1    | 0      | 22.99       | 0.1991        | 21.41     | 0.1384  |
| Middle                                             |           | 1    | 0      | 22.76       | 0.1888        | 21.18     | 0.1312  |
| Highest                                            |           | 1    | 0      | 22.88       | 0.1941        | 21.30     | 0.1349  |
| Lowest                                             | 64QAM     | 1    | 0      | 21.77       | 0.1503        | 20.19     | 0.1045  |
| Middle                                             |           | 1    | 0      | 21.73       | 0.1489        | 20.15     | 0.1035  |
| Highest                                            |           | 1    | 0      | 21.76       | 0.1500        | 20.18     | 0.1042  |
| Limit                                              | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 25 / 15MHz (Average) (GT - LC = -1.58 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 0      | 23.66       | 0.2323        | 22.08     | 0.1614  |
| Middle                                             |           | 1    | 0      | 23.61       | 0.2296        | 22.03     | 0.1596  |
| Highest                                            |           | 1    | 0      | 23.40       | 0.2188        | 21.82     | 0.1521  |
| Lowest                                             | 16QAM     | 1    | 37     | 22.83       | 0.1919        | 21.25     | 0.1334  |
| Middle                                             |           | 1    | 37     | 22.97       | 0.1982        | 21.39     | 0.1377  |
| Highest                                            |           | 1    | 37     | 22.60       | 0.1820        | 21.02     | 0.1265  |
| Lowest                                             | 64QAM     | 1    | 0      | 21.88       | 0.1542        | 20.30     | 0.1072  |
| Middle                                             |           | 1    | 0      | 21.60       | 0.1445        | 20.02     | 0.1005  |
| Highest                                            |           | 1    | 0      | 21.76       | 0.1500        | 20.18     | 0.1042  |
| Limit                                              | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 25 / 20MHz (Average) (GT - LC = -1.58 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 0      | 23.77       | 0.2382        | 22.19     | 0.1656  |
| Middle                                             |           | 1    | 0      | 23.65       | 0.2317        | 22.07     | 0.1611  |
| Highest                                            |           | 1    | 0      | 23.59       | 0.2286        | 22.01     | 0.1589  |
| Lowest                                             | 16QAM     | 1    | 0      | 23.00       | 0.1995        | 21.42     | 0.1387  |
| Middle                                             |           | 1    | 0      | 22.96       | 0.1977        | 21.38     | 0.1374  |
| Highest                                            |           | 1    | 0      | 22.94       | 0.1968        | 21.36     | 0.1368  |
| Lowest                                             | 64QAM     | 1    | 0      | 21.94       | 0.1563        | 20.36     | 0.1086  |
| Middle                                             |           | 1    | 0      | 21.78       | 0.1507        | 20.20     | 0.1047  |
| Highest                                            |           | 1    | 0      | 21.87       | 0.1538        | 20.29     | 0.1069  |
| Limit                                              | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 1.4MHz (Average) (GT - LC = -1.32 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 0      | 23.56       | 0.2270        | 22.24     | 0.1675  |
| Middle                                             |           | 1    | 0      | 23.47       | 0.2223        | 22.15     | 0.1641  |
| Highest                                            |           | 1    | 0      | 23.69       | 0.2339        | 22.37     | 0.1726  |
| Lowest                                             | 16QAM     | 1    | 3      | 22.78       | 0.1897        | 21.46     | 0.1400  |
| Middle                                             |           | 1    | 3      | 22.79       | 0.1901        | 21.47     | 0.1403  |
| Highest                                            |           | 1    | 3      | 23.00       | 0.1995        | 21.68     | 0.1472  |
| Lowest                                             | 64QAM     | 1    | 0      | 21.95       | 0.1567        | 20.63     | 0.1156  |
| Middle                                             |           | 1    | 0      | 21.82       | 0.1521        | 20.50     | 0.1122  |
| Highest                                            |           | 1    | 0      | 21.80       | 0.1514        | 20.48     | 0.1117  |
| Limit                                              | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 3MHz (Average) (GT - LC = -1.32 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.68       | 0.2333        | 22.36     | 0.1722  |
| Middle                                           |           | 1    | 0      | 23.54       | 0.2259        | 22.22     | 0.1667  |
| Highest                                          |           | 1    | 0      | 23.72       | 0.2355        | 22.40     | 0.1738  |
| Lowest                                           | 16QAM     | 1    | 8      | 22.77       | 0.1892        | 21.45     | 0.1396  |
| Middle                                           |           | 1    | 8      | 22.83       | 0.1919        | 21.51     | 0.1416  |
| Highest                                          |           | 1    | 8      | 22.97       | 0.1982        | 21.65     | 0.1462  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.94       | 0.1563        | 20.62     | 0.1153  |
| Middle                                           |           | 1    | 0      | 21.74       | 0.1493        | 20.42     | 0.1102  |
| Highest                                          |           | 1    | 0      | 21.92       | 0.1556        | 20.60     | 0.1148  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 5MHz (Average) (GT - LC = -1.32 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 0      | 23.71       | 0.2350        | 22.39     | 0.1734  |
| Middle                                           |           | 1    | 0      | 23.50       | 0.2239        | 22.18     | 0.1652  |
| Highest                                          |           | 1    | 0      | 23.76       | 0.2377        | 22.44     | 0.1754  |
| Lowest                                           | 16QAM     | 1    | 0      | 22.91       | 0.1954        | 21.59     | 0.1442  |
| Middle                                           |           | 1    | 0      | 22.98       | 0.1986        | 21.66     | 0.1466  |
| Highest                                          |           | 1    | 0      | 22.93       | 0.1963        | 21.61     | 0.1449  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.93       | 0.1560        | 20.61     | 0.1151  |
| Middle                                           |           | 1    | 0      | 21.91       | 0.1552        | 20.59     | 0.1146  |
| Highest                                          |           | 1    | 0      | 21.94       | 0.1563        | 20.62     | 0.1153  |
| Limit                                            | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 4 / 10MHz (Average) (GT - LC = -1.32 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.66       | 0.2323        | 22.34     | 0.1714  |
| Middle                                            |           | 1    | 0      | 23.49       | 0.2234        | 22.17     | 0.1648  |
| Highest                                           |           | 1    | 0      | 23.69       | 0.2339        | 22.37     | 0.1726  |
| Lowest                                            | 16QAM     | 1    | 0      | 23.00       | 0.1995        | 21.68     | 0.1472  |
| Middle                                            |           | 1    | 0      | 22.85       | 0.1928        | 21.53     | 0.1422  |
| Highest                                           |           | 1    | 0      | 22.96       | 0.1977        | 21.64     | 0.1459  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.92       | 0.1556        | 20.60     | 0.1148  |
| Middle                                            |           | 1    | 0      | 21.91       | 0.1552        | 20.59     | 0.1146  |
| Highest                                           |           | 1    | 0      | 21.75       | 0.1496        | 20.43     | 0.1104  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 15MHz (Average) (GT - LC = -1.32 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.70       | 0.2344        | 22.38     | 0.1730  |
| Middle                                            |           | 1    | 0      | 23.58       | 0.2280        | 22.26     | 0.1683  |
| Highest                                           |           | 1    | 0      | 23.77       | 0.2382        | 22.45     | 0.1758  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.90       | 0.1950        | 21.58     | 0.1439  |
| Middle                                            |           | 1    | 0      | 22.93       | 0.1963        | 21.61     | 0.1449  |
| Highest                                           |           | 1    | 0      | 22.95       | 0.1972        | 21.63     | 0.1455  |
| Lowest                                            | 64QAM     | 1    | 37     | 21.79       | 0.1510        | 20.47     | 0.1114  |
| Middle                                            |           | 1    | 37     | 21.69       | 0.1476        | 20.37     | 0.1089  |
| Highest                                           |           | 1    | 37     | 21.92       | 0.1556        | 20.60     | 0.1148  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 4 / 20MHz (Average) (GT - LC = -1.32 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.75       | 0.2371        | 22.43     | 0.1750  |
| Middle                                            |           | 1    | 0      | 23.64       | 0.2312        | 22.32     | 0.1706  |
| Highest                                           |           | 1    | 0      | 23.78       | 0.2388        | 22.46     | 0.1762  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.98       | 0.1986        | 21.66     | 0.1466  |
| Middle                                            |           | 1    | 0      | 23.00       | 0.1995        | 21.68     | 0.1472  |
| Highest                                           |           | 1    | 0      | 22.96       | 0.1977        | 21.64     | 0.1459  |
| Lowest                                            | 64QAM     | 1    | 49     | 21.81       | 0.1517        | 20.49     | 0.1119  |
| Middle                                            |           | 1    | 49     | 21.83       | 0.1524        | 20.51     | 0.1125  |
| Highest                                           |           | 1    | 49     | 21.96       | 0.1570        | 20.64     | 0.1159  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 5 / 1.4MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 1    | 0      | 23.16       | 0.2070        | 19.44    | 0.0879 |
| Middle                                             |          | 1    | 0      | 23.20       | 0.2089        | 19.48    | 0.0887 |
| Highest                                            |          | 1    | 0      | 23.31       | 0.2143        | 19.59    | 0.0910 |
| Lowest                                             | 16QAM    | 1    | 3      | 22.58       | 0.1811        | 18.86    | 0.0769 |
| Middle                                             |          | 1    | 3      | 22.68       | 0.1854        | 18.96    | 0.0787 |
| Highest                                            |          | 1    | 3      | 22.48       | 0.1770        | 18.76    | 0.0752 |
| Lowest                                             | 64QAM    | 1    | 5      | 21.66       | 0.1466        | 17.94    | 0.0622 |
| Middle                                             |          | 1    | 5      | 21.40       | 0.1380        | 17.68    | 0.0586 |
| Highest                                            |          | 1    | 5      | 21.50       | 0.1413        | 17.78    | 0.0600 |
| Limit                                              | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 3MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 0      | 23.14       | 0.2061        | 19.42    | 0.0875 |
| Middle                                           |          | 1    | 0      | 23.36       | 0.2168        | 19.64    | 0.0920 |
| Highest                                          |          | 1    | 0      | 23.26       | 0.2118        | 19.54    | 0.0899 |
| Lowest                                           | 16QAM    | 1    | 8      | 22.48       | 0.1770        | 18.76    | 0.0752 |
| Middle                                           |          | 1    | 8      | 22.73       | 0.1875        | 19.01    | 0.0796 |
| Highest                                          |          | 1    | 8      | 22.41       | 0.1742        | 18.69    | 0.0740 |
| Lowest                                           | 64QAM    | 1    | 14     | 21.61       | 0.1449        | 17.89    | 0.0615 |
| Middle                                           |          | 1    | 14     | 21.54       | 0.1426        | 17.82    | 0.0605 |
| Highest                                          |          | 1    | 14     | 21.39       | 0.1377        | 17.67    | 0.0585 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 5 / 5MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|--------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                          | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                  |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                           | QPSK     | 1    | 12     | 23.20       | 0.2089        | 19.48    | 0.0887 |
| Middle                                           |          | 1    | 12     | 23.40       | 0.2188        | 19.68    | 0.0929 |
| Highest                                          |          | 1    | 12     | 23.12       | 0.2051        | 19.40    | 0.0871 |
| Lowest                                           | 16QAM    | 1    | 0      | 22.54       | 0.1795        | 18.82    | 0.0762 |
| Middle                                           |          | 1    | 0      | 22.74       | 0.1879        | 19.02    | 0.0798 |
| Highest                                          |          | 1    | 0      | 22.64       | 0.1837        | 18.92    | 0.0780 |
| Lowest                                           | 64QAM    | 1    | 0      | 21.42       | 0.1387        | 17.70    | 0.0589 |
| Middle                                           |          | 1    | 0      | 21.59       | 0.1442        | 17.87    | 0.0612 |
| Highest                                          |          | 1    | 0      | 21.45       | 0.1396        | 17.73    | 0.0593 |
| Limit                                            | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 5 / 10MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 49     | 23.43       | 0.2203        | 19.71    | 0.0935 |
| Middle                                            |          | 1    | 49     | 23.36       | 0.2168        | 19.64    | 0.0920 |
| Highest                                           |          | 1    | 49     | 23.36       | 0.2168        | 19.64    | 0.0920 |
| Lowest                                            | 16QAM    | 1    | 0      | 22.70       | 0.1862        | 18.98    | 0.0791 |
| Middle                                            |          | 1    | 0      | 22.76       | 0.1888        | 19.04    | 0.0802 |
| Highest                                           |          | 1    | 0      | 22.65       | 0.1841        | 18.93    | 0.0782 |
| Lowest                                            | 64QAM    | 1    | 49     | 21.68       | 0.1472        | 17.96    | 0.0625 |
| Middle                                            |          | 1    | 49     | 21.55       | 0.1429        | 17.83    | 0.0607 |
| Highest                                           |          | 1    | 49     | 21.56       | 0.1432        | 17.84    | 0.0608 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 7 / 5MHz (Average) (GT - LC = 1.02 dB) |           |      |        |             |               |           |         |
|-------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                         | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                 |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                          | QPSK      | 1    | 24     | 23.08       | 0.2032        | 24.10     | 0.2570  |
| Middle                                          |           | 1    | 24     | 23.39       | 0.2183        | 24.41     | 0.2761  |
| Highest                                         |           | 1    | 24     | 23.11       | 0.2046        | 24.13     | 0.2588  |
| Lowest                                          | 16QAM     | 1    | 24     | 22.62       | 0.1828        | 23.64     | 0.2312  |
| Middle                                          |           | 1    | 24     | 22.77       | 0.1892        | 23.79     | 0.2393  |
| Highest                                         |           | 1    | 24     | 22.42       | 0.1746        | 23.44     | 0.2208  |
| Lowest                                          | 64QAM     | 1    | 24     | 21.51       | 0.1416        | 22.53     | 0.1791  |
| Middle                                          |           | 1    | 24     | 21.67       | 0.1469        | 22.69     | 0.1858  |
| Highest                                         |           | 1    | 24     | 21.45       | 0.1396        | 22.47     | 0.1766  |
| Limit                                           | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 7 / 10MHz (Average) (GT - LC = 1.02 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 49     | 23.24       | 0.2109        | 24.26     | 0.2667  |
| Middle                                           |           | 1    | 49     | 23.32       | 0.2148        | 24.34     | 0.2716  |
| Highest                                          |           | 1    | 49     | 23.21       | 0.2094        | 24.23     | 0.2649  |
| Lowest                                           | 16QAM     | 1    | 25     | 22.59       | 0.1816        | 23.61     | 0.2296  |
| Middle                                           |           | 1    | 25     | 22.48       | 0.1770        | 23.50     | 0.2239  |
| Highest                                          |           | 1    | 25     | 22.69       | 0.1858        | 23.71     | 0.2350  |
| Lowest                                           | 64QAM     | 1    | 49     | 21.50       | 0.1413        | 22.52     | 0.1786  |
| Middle                                           |           | 1    | 49     | 21.73       | 0.1489        | 22.75     | 0.1884  |
| Highest                                          |           | 1    | 49     | 21.39       | 0.1377        | 22.41     | 0.1742  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 7 / 15MHz (Average) (GT - LC = 1.02 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 37     | 23.32       | 0.2148        | 24.34     | 0.2716  |
| Middle                                           |           | 1    | 37     | 23.19       | 0.2084        | 24.21     | 0.2636  |
| Highest                                          |           | 1    | 37     | 23.19       | 0.2084        | 24.21     | 0.2636  |
| Lowest                                           | 16QAM     | 1    | 74     | 22.58       | 0.1811        | 23.60     | 0.2291  |
| Middle                                           |           | 1    | 74     | 22.79       | 0.1901        | 23.81     | 0.2404  |
| Highest                                          |           | 1    | 74     | 22.52       | 0.1786        | 23.54     | 0.2259  |
| Lowest                                           | 64QAM     | 1    | 74     | 21.44       | 0.1393        | 22.46     | 0.1762  |
| Middle                                           |           | 1    | 74     | 21.71       | 0.1483        | 22.73     | 0.1875  |
| Highest                                          |           | 1    | 74     | 21.33       | 0.1358        | 22.35     | 0.1718  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 7 / 20MHz (Average) (GT - LC = 1.02 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 99     | 23.27       | 0.2123        | 24.29     | 0.2685  |
| Middle                                           |           | 1    | 99     | 23.50       | 0.2239        | 24.52     | 0.2831  |
| Highest                                          |           | 1    | 99     | 23.25       | 0.2113        | 24.27     | 0.2673  |
| Lowest                                           | 16QAM     | 1    | 99     | 22.74       | 0.1879        | 23.76     | 0.2377  |
| Middle                                           |           | 1    | 99     | 22.84       | 0.1923        | 23.86     | 0.2432  |
| Highest                                          |           | 1    | 99     | 22.57       | 0.1807        | 23.59     | 0.2286  |
| Lowest                                           | 64QAM     | 1    | 99     | 21.57       | 0.1435        | 22.59     | 0.1816  |
| Middle                                           |           | 1    | 99     | 21.76       | 0.1500        | 22.78     | 0.1897  |
| Highest                                          |           | 1    | 99     | 21.53       | 0.1422        | 22.55     | 0.1799  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 12 / 1.4MHz (Average) (GT - LC = -3.29 dB) |          |      |        |             |               |          |        |
|-----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                             | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                     |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                              | QPSK     | 1    | 3      | 23.10       | 0.2042        | 17.66    | 0.0583 |
| Middle                                              |          | 1    | 3      | 23.17       | 0.2075        | 17.73    | 0.0593 |
| Highest                                             |          | 1    | 3      | 22.96       | 0.1977        | 17.52    | 0.0565 |
| Lowest                                              | 16QAM    | 1    | 3      | 22.29       | 0.1694        | 16.85    | 0.0484 |
| Middle                                              |          | 1    | 3      | 22.43       | 0.1750        | 16.99    | 0.0500 |
| Highest                                             |          | 1    | 3      | 22.17       | 0.1648        | 16.73    | 0.0471 |
| Lowest                                              | 64QAM    | 1    | 3      | 21.28       | 0.1343        | 15.84    | 0.0384 |
| Middle                                              |          | 1    | 3      | 21.49       | 0.1409        | 16.05    | 0.0403 |
| Highest                                             |          | 1    | 3      | 21.18       | 0.1312        | 15.74    | 0.0375 |
| Limit                                               | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 12 / 3MHz (Average) (GT - LC = -3.29 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 0      | 22.86       | 0.1932        | 17.42    | 0.0552 |
| Middle                                            |          | 1    | 0      | 22.97       | 0.1982        | 17.53    | 0.0566 |
| Highest                                           |          | 1    | 0      | 23.19       | 0.2084        | 17.75    | 0.0596 |
| Lowest                                            | 16QAM    | 1    | 8      | 22.43       | 0.1750        | 16.99    | 0.0500 |
| Middle                                            |          | 1    | 8      | 22.56       | 0.1803        | 17.12    | 0.0515 |
| Highest                                           |          | 1    | 8      | 22.31       | 0.1702        | 16.87    | 0.0486 |
| Lowest                                            | 64QAM    | 1    | 8      | 21.33       | 0.1358        | 15.89    | 0.0388 |
| Middle                                            |          | 1    | 8      | 21.45       | 0.1396        | 16.01    | 0.0399 |
| Highest                                           |          | 1    | 8      | 21.14       | 0.1300        | 15.70    | 0.0372 |
| Limit                                             | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 12 / 5MHz (Average) (GT - LC = -3.29 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 12     | 23.02       | 0.2004        | 17.58    | 0.0573 |
| Middle                                            |          | 1    | 12     | 23.20       | 0.2089        | 17.76    | 0.0597 |
| Highest                                           |          | 1    | 12     | 22.97       | 0.1982        | 17.53    | 0.0566 |
| Lowest                                            | 16QAM    | 1    | 12     | 22.41       | 0.1742        | 16.97    | 0.0498 |
| Middle                                            |          | 1    | 12     | 22.49       | 0.1774        | 17.05    | 0.0507 |
| Highest                                           |          | 1    | 12     | 22.15       | 0.1641        | 16.71    | 0.0469 |
| Lowest                                            | 64QAM    | 1    | 0      | 21.14       | 0.1300        | 15.70    | 0.0372 |
| Middle                                            |          | 1    | 0      | 21.27       | 0.1340        | 15.83    | 0.0383 |
| Highest                                           |          | 1    | 0      | 21.33       | 0.1358        | 15.89    | 0.0388 |
| Limit                                             | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 12 / 10MHz (Average) (GT - LC = -3.29 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 1    | 49     | 23.24       | 0.2109        | 17.80    | 0.0603 |
| Middle                                             |          | 1    | 49     | 23.05       | 0.2018        | 17.61    | 0.0577 |
| Highest                                            |          | 1    | 49     | 23.08       | 0.2032        | 17.64    | 0.0581 |
| Lowest                                             | 16QAM    | 1    | 25     | 22.44       | 0.1754        | 17.00    | 0.0501 |
| Middle                                             |          | 1    | 25     | 22.57       | 0.1807        | 17.13    | 0.0516 |
| Highest                                            |          | 1    | 25     | 22.33       | 0.1710        | 16.89    | 0.0489 |
| Lowest                                             | 64QAM    | 1    | 25     | 21.41       | 0.1384        | 15.97    | 0.0395 |
| Middle                                             |          | 1    | 25     | 21.49       | 0.1409        | 16.05    | 0.0403 |
| Highest                                            |          | 1    | 25     | 21.30       | 0.1349        | 15.86    | 0.0385 |
| Limit                                              | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 13 / 5MHz (Average) (GT - LC = -3.65 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 12     | 23.07       | 0.2028        | 17.27    | 0.0533 |
| Middle                                            |          | 1    | 12     | 23.20       | 0.2089        | 17.40    | 0.0550 |
| Highest                                           |          | 1    | 12     | 23.12       | 0.2051        | 17.32    | 0.0540 |
| Lowest                                            | 16QAM    | 1    | 24     | 22.57       | 0.1807        | 16.77    | 0.0475 |
| Middle                                            |          | 1    | 24     | 22.68       | 0.1854        | 16.88    | 0.0488 |
| Highest                                           |          | 1    | 24     | 22.68       | 0.1854        | 16.88    | 0.0488 |
| Lowest                                            | 64QAM    | 1    | 24     | 21.52       | 0.1419        | 15.72    | 0.0373 |
| Middle                                            |          | 1    | 24     | 21.40       | 0.1380        | 15.60    | 0.0363 |
| Highest                                           |          | 1    | 24     | 21.50       | 0.1413        | 15.70    | 0.0372 |
| Limit                                             | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 13 / 10MHz (Average) (GT - LC = -3.65 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | -    | -      | -           | -             | -        | -      |
| Middle                                             |          | 1    | 49     | 23.28       | 0.2128        | 17.48    | 0.0560 |
| Highest                                            |          | -    | -      | -           | -             | -        | -      |
| Lowest                                             | 16QAM    | -    | -      | -           | -             | -        | -      |
| Middle                                             |          | 1    | 49     | 22.68       | 0.1854        | 16.88    | 0.0488 |
| Highest                                            |          | -    | -      | -           | -             | -        | -      |
| Lowest                                             | 64QAM    | -    | -      | -           | -             | -        | -      |
| Middle                                             |          | 1    | 49     | 21.53       | 0.1422        | 15.73    | 0.0374 |
| Highest                                            |          | -    | -      | -           | -             | -        | -      |
| Limit                                              | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 17 / 5MHz (Average) (GT - LC = -3.29 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 0      | 22.96       | 0.1977        | 17.52    | 0.0565 |
| Middle                                            |          | 1    | 0      | 22.96       | 0.1977        | 17.52    | 0.0565 |
| Highest                                           |          | 1    | 0      | 23.10       | 0.2042        | 17.66    | 0.0583 |
| Lowest                                            | 16QAM    | 1    | 24     | 22.49       | 0.1774        | 17.05    | 0.0507 |
| Middle                                            |          | 1    | 24     | 22.41       | 0.1742        | 16.97    | 0.0498 |
| Highest                                           |          | 1    | 24     | 22.06       | 0.1607        | 16.62    | 0.0459 |
| Lowest                                            | 64QAM    | 1    | 24     | 21.40       | 0.1380        | 15.96    | 0.0394 |
| Middle                                            |          | 1    | 24     | 21.33       | 0.1358        | 15.89    | 0.0388 |
| Highest                                           |          | 1    | 24     | 21.17       | 0.1309        | 15.73    | 0.0374 |
| Limit                                             | ERP < 3W |      |        | Result      |               | PASS     |        |

| LTE Band 17 / 10MHz (Average) (GT - LC = -3.29 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 1    | 49     | 23.14       | 0.2061        | 17.70    | 0.0589 |
| Middle                                             |          | 1    | 49     | 23.09       | 0.2037        | 17.65    | 0.0582 |
| Highest                                            |          | 1    | 49     | 23.03       | 0.2009        | 17.59    | 0.0574 |
| Lowest                                             | 16QAM    | 1    | 49     | 22.54       | 0.1795        | 17.10    | 0.0513 |
| Middle                                             |          | 1    | 49     | 22.44       | 0.1754        | 17.00    | 0.0501 |
| Highest                                            |          | 1    | 49     | 22.26       | 0.1683        | 16.82    | 0.0481 |
| Lowest                                             | 64QAM    | 1    | 49     | 21.45       | 0.1396        | 16.01    | 0.0399 |
| Middle                                             |          | 1    | 49     | 21.37       | 0.1371        | 15.93    | 0.0392 |
| Highest                                            |          | 1    | 49     | 21.27       | 0.1340        | 15.83    | 0.0383 |
| Limit                                              | ERP < 3W |      |        | Result      |               | PASS     |        |



| LTE Band 41 / 5MHz (Average) (GT - LC = 1.24 dB) |           |      |        |             |               |           |         |
|--------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                          | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                  |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                           | QPSK      | 1    | 12     | 23.52       | 0.2249        | 24.76     | 0.2992  |
| Middle                                           |           | 1    | 12     | 23.36       | 0.2168        | 24.60     | 0.2884  |
| Highest                                          |           | 1    | 12     | 23.44       | 0.2208        | 24.68     | 0.2938  |
| Lowest                                           | 16QAM     | 1    | 12     | 22.80       | 0.1905        | 24.04     | 0.2535  |
| Middle                                           |           | 1    | 12     | 22.54       | 0.1795        | 23.78     | 0.2388  |
| Highest                                          |           | 1    | 12     | 22.50       | 0.1778        | 23.74     | 0.2366  |
| Lowest                                           | 64QAM     | 1    | 0      | 21.75       | 0.1496        | 22.99     | 0.1991  |
| Middle                                           |           | 1    | 0      | 21.29       | 0.1346        | 22.53     | 0.1791  |
| Highest                                          |           | 1    | 0      | 21.67       | 0.1469        | 22.91     | 0.1954  |
| Limit                                            | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 41 / 10MHz (Average) (GT - LC = 1.24 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.53       | 0.2254        | 24.77     | 0.2999  |
| Middle                                            |           | 1    | 0      | 23.18       | 0.2080        | 24.42     | 0.2767  |
| Highest                                           |           | 1    | 0      | 23.39       | 0.2183        | 24.63     | 0.2904  |
| Lowest                                            | 16QAM     | 1    | 25     | 22.77       | 0.1892        | 24.01     | 0.2518  |
| Middle                                            |           | 1    | 25     | 22.54       | 0.1795        | 23.78     | 0.2388  |
| Highest                                           |           | 1    | 25     | 22.60       | 0.1820        | 23.84     | 0.2421  |
| Lowest                                            | 64QAM     | 1    | 25     | 21.77       | 0.1503        | 23.01     | 0.2000  |
| Middle                                            |           | 1    | 25     | 21.35       | 0.1365        | 22.59     | 0.1816  |
| Highest                                           |           | 1    | 25     | 21.63       | 0.1455        | 22.87     | 0.1936  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 41 / 15MHz (Average) (GT - LC = 1.24 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.57       | 0.2275        | 24.81     | 0.3027  |
| Middle                                            |           | 1    | 0      | 23.21       | 0.2094        | 24.45     | 0.2786  |
| Highest                                           |           | 1    | 0      | 23.35       | 0.2163        | 24.59     | 0.2877  |
| Lowest                                            | 16QAM     | 1    | 37     | 22.80       | 0.1905        | 24.04     | 0.2535  |
| Middle                                            |           | 1    | 37     | 22.34       | 0.1714        | 23.58     | 0.2280  |
| Highest                                           |           | 1    | 37     | 22.49       | 0.1774        | 23.73     | 0.2360  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.83       | 0.1524        | 23.07     | 0.2028  |
| Middle                                            |           | 1    | 0      | 21.36       | 0.1368        | 22.60     | 0.1820  |
| Highest                                           |           | 1    | 0      | 21.60       | 0.1445        | 22.84     | 0.1923  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 41 / 20MHz (Average) (GT - LC = 1.24 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.64       | 0.2312        | 24.88     | 0.3076  |
| Middle                                            |           | 1    | 0      | 23.28       | 0.2128        | 24.52     | 0.2831  |
| Highest                                           |           | 1    | 0      | 23.53       | 0.2254        | 24.77     | 0.2999  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.89       | 0.1945        | 24.13     | 0.2588  |
| Middle                                            |           | 1    | 0      | 22.41       | 0.1742        | 23.65     | 0.2317  |
| Highest                                           |           | 1    | 0      | 22.68       | 0.1854        | 23.92     | 0.2466  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.84       | 0.1528        | 23.08     | 0.2032  |
| Middle                                            |           | 1    | 0      | 21.37       | 0.1371        | 22.61     | 0.1824  |
| Highest                                           |           | 1    | 0      | 21.68       | 0.1472        | 22.92     | 0.1959  |
| Limit                                             | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 26 / 1.4MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|-----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                             | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                     |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                              | QPSK     | 1    | 3      | 23.36       | 0.2168        | 19.64    | 0.0920 |
| Middle                                              |          | 1    | 3      | 23.25       | 0.2113        | 19.53    | 0.0897 |
| Highest                                             |          | 1    | 3      | 23.29       | 0.2133        | 19.57    | 0.0906 |
| Lowest                                              | 16QAM    | 1    | 0      | 22.62       | 0.1828        | 18.90    | 0.0776 |
| Middle                                              |          | 1    | 0      | 22.43       | 0.1750        | 18.71    | 0.0743 |
| Highest                                             |          | 1    | 0      | 22.67       | 0.1849        | 18.95    | 0.0785 |
| Lowest                                              | 64QAM    | 1    | 3      | 21.61       | 0.1449        | 17.89    | 0.0615 |
| Middle                                              |          | 1    | 3      | 21.53       | 0.1422        | 17.81    | 0.0604 |
| Highest                                             |          | 1    | 3      | 21.37       | 0.1371        | 17.65    | 0.0582 |
| Limit                                               | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 26 / 3MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 14     | 23.34       | 0.2158        | 19.62    | 0.0916 |
| Middle                                            |          | 1    | 14     | 23.39       | 0.2183        | 19.67    | 0.0927 |
| Highest                                           |          | 1    | 14     | 23.36       | 0.2168        | 19.64    | 0.0920 |
| Lowest                                            | 16QAM    | 1    | 8      | 22.61       | 0.1824        | 18.89    | 0.0774 |
| Middle                                            |          | 1    | 8      | 22.69       | 0.1858        | 18.97    | 0.0789 |
| Highest                                           |          | 1    | 8      | 22.59       | 0.1816        | 18.87    | 0.0771 |
| Lowest                                            | 64QAM    | 1    | 0      | 21.46       | 0.1400        | 17.74    | 0.0594 |
| Middle                                            |          | 1    | 0      | 21.49       | 0.1409        | 17.77    | 0.0598 |
| Highest                                           |          | 1    | 0      | 21.58       | 0.1439        | 17.86    | 0.0611 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 26 / 5MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|---------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                           | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                   |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                            | QPSK     | 1    | 12     | 23.41       | 0.2193        | 19.69    | 0.0931 |
| Middle                                            |          | 1    | 12     | 23.35       | 0.2163        | 19.63    | 0.0918 |
| Highest                                           |          | 1    | 12     | 23.15       | 0.2065        | 19.43    | 0.0877 |
| Lowest                                            | 16QAM    | 1    | 0      | 22.61       | 0.1824        | 18.89    | 0.0774 |
| Middle                                            |          | 1    | 0      | 22.49       | 0.1774        | 18.77    | 0.0753 |
| Highest                                           |          | 1    | 0      | 22.70       | 0.1862        | 18.98    | 0.0791 |
| Lowest                                            | 64QAM    | 1    | 24     | 21.65       | 0.1462        | 17.93    | 0.0621 |
| Middle                                            |          | 1    | 24     | 21.48       | 0.1406        | 17.76    | 0.0597 |
| Highest                                           |          | 1    | 24     | 21.47       | 0.1403        | 17.75    | 0.0596 |
| Limit                                             | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 26 / 10MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 1    | 49     | 23.28       | 0.2128        | 19.56    | 0.0904 |
| Middle                                             |          | 1    | 49     | 23.19       | 0.2084        | 19.47    | 0.0885 |
| Highest                                            |          | 1    | 49     | 23.34       | 0.2158        | 19.62    | 0.0916 |
| Lowest                                             | 16QAM    | 1    | 49     | 22.61       | 0.1824        | 18.89    | 0.0774 |
| Middle                                             |          | 1    | 49     | 22.67       | 0.1849        | 18.95    | 0.0785 |
| Highest                                            |          | 1    | 49     | 22.47       | 0.1766        | 18.75    | 0.0750 |
| Lowest                                             | 64QAM    | 1    | 49     | 21.63       | 0.1455        | 17.91    | 0.0618 |
| Middle                                             |          | 1    | 49     | 21.41       | 0.1384        | 17.69    | 0.0587 |
| Highest                                            |          | 1    | 49     | 21.34       | 0.1361        | 17.62    | 0.0578 |
| Limit                                              | ERP < 7W |      |        | Result      |               | PASS     |        |

| LTE Band 26 / 15MHz (Average) (GT - LC = -1.57 dB) |          |      |        |             |               |          |        |
|----------------------------------------------------|----------|------|--------|-------------|---------------|----------|--------|
| Channel                                            | Mode     | RB   |        | Conducted   |               | ERP      |        |
|                                                    |          | Size | Offset | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) |
| Lowest                                             | QPSK     | 1    | 37     | 23.41       | 0.2193        | 19.69    | 0.0931 |
| Middle                                             |          | 1    | 37     | 23.38       | 0.2178        | 19.66    | 0.0925 |
| Highest                                            |          | 1    | 37     | 23.31       | 0.2143        | 19.59    | 0.0910 |
| Lowest                                             | 16QAM    | 1    | 0      | 22.62       | 0.1828        | 18.90    | 0.0776 |
| Middle                                             |          | 1    | 0      | 22.63       | 0.1832        | 18.91    | 0.0778 |
| Highest                                            |          | 1    | 0      | 22.71       | 0.1866        | 18.99    | 0.0793 |
| Lowest                                             | 64QAM    | 1    | 37     | 21.64       | 0.1459        | 17.92    | 0.0619 |
| Middle                                             |          | 1    | 37     | 21.66       | 0.1466        | 17.94    | 0.0622 |
| Highest                                            |          | 1    | 37     | 21.49       | 0.1409        | 17.77    | 0.0598 |
| Limit                                              | ERP < 7W |      |        | Result      |               | PASS     |        |



| LTE Band 38 / 5MHz (Peak) (GT - LC = 1.66 dB) |           |      |        |             |               |           |         |
|-----------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                       | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                               |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                        | QPSK      | 1    | 0      | 23.58       | 0.2280        | 25.24     | 0.3342  |
| Middle                                        |           | 1    | 0      | 23.11       | 0.2046        | 24.77     | 0.2999  |
| Highest                                       |           | 1    | 0      | 23.30       | 0.2138        | 24.96     | 0.3133  |
| Lowest                                        | 16QAM     | 1    | 24     | 22.56       | 0.1803        | 24.22     | 0.2642  |
| Middle                                        |           | 1    | 24     | 22.69       | 0.1858        | 24.35     | 0.2723  |
| Highest                                       |           | 1    | 24     | 22.46       | 0.1762        | 24.12     | 0.2582  |
| Lowest                                        | 64QAM     | 1    | 24     | 21.61       | 0.1449        | 23.27     | 0.2123  |
| Middle                                        |           | 1    | 24     | 21.64       | 0.1459        | 23.30     | 0.2138  |
| Highest                                       |           | 1    | 24     | 21.42       | 0.1387        | 23.08     | 0.2032  |
| Limit                                         | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 38 / 10MHz (Peak) (GT - LC = 1.66 dB) |           |      |        |             |               |           |         |
|------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                        | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                         | QPSK      | 1    | 0      | 23.41       | 0.2193        | 25.07     | 0.3214  |
| Middle                                         |           | 1    | 0      | 23.19       | 0.2084        | 24.85     | 0.3055  |
| Highest                                        |           | 1    | 0      | 23.46       | 0.2218        | 25.12     | 0.3251  |
| Lowest                                         | 16QAM     | 1    | 25     | 22.61       | 0.1824        | 24.27     | 0.2673  |
| Middle                                         |           | 1    | 25     | 22.53       | 0.1791        | 24.19     | 0.2624  |
| Highest                                        |           | 1    | 25     | 22.53       | 0.1791        | 24.19     | 0.2624  |
| Lowest                                         | 64QAM     | 1    | 49     | 21.47       | 0.1403        | 23.13     | 0.2056  |
| Middle                                         |           | 1    | 49     | 21.59       | 0.1442        | 23.25     | 0.2113  |
| Highest                                        |           | 1    | 49     | 21.45       | 0.1396        | 23.11     | 0.2046  |
| Limit                                          | EIRP < 2W |      |        | Result      |               | PASS      |         |

| LTE Band 38 / 15MHz (Peak) (GT - LC = 1.66 dB) |           |      |        |             |               |           |         |
|------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                        | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                         | QPSK      | 1    | 74     | 23.38       | 0.2178        | 25.04     | 0.3192  |
| Middle                                         |           | 1    | 74     | 23.55       | 0.2265        | 25.21     | 0.3319  |
| Highest                                        |           | 1    | 74     | 23.33       | 0.2153        | 24.99     | 0.3155  |
| Lowest                                         | 16QAM     | 1    | 0      | 22.72       | 0.1871        | 24.38     | 0.2742  |
| Middle                                         |           | 1    | 0      | 22.33       | 0.1710        | 23.99     | 0.2506  |
| Highest                                        |           | 1    | 0      | 22.62       | 0.1828        | 24.28     | 0.2679  |
| Lowest                                         | 64QAM     | 1    | 0      | 21.67       | 0.1469        | 23.33     | 0.2153  |
| Middle                                         |           | 1    | 0      | 21.25       | 0.1334        | 22.91     | 0.1954  |
| Highest                                        |           | 1    | 0      | 21.63       | 0.1455        | 23.29     | 0.2133  |
| Limit                                          | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 38 / 20MHz (Peak) (GT - LC = 1.66 dB) |           |      |        |             |               |           |         |
|------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                        | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                         | QPSK      | 1    | 0      | 23.58       | 0.2280        | 25.24     | 0.3342  |
| Middle                                         |           | 1    | 0      | 23.27       | 0.2123        | 24.93     | 0.3112  |
| Highest                                        |           | 1    | 0      | 23.49       | 0.2234        | 25.15     | 0.3273  |
| Lowest                                         | 16QAM     | 1    | 0      | 22.73       | 0.1875        | 24.39     | 0.2748  |
| Middle                                         |           | 1    | 0      | 22.41       | 0.1742        | 24.07     | 0.2553  |
| Highest                                        |           | 1    | 0      | 22.66       | 0.1845        | 24.32     | 0.2704  |
| Lowest                                         | 64QAM     | 1    | 0      | 21.72       | 0.1486        | 23.38     | 0.2178  |
| Middle                                         |           | 1    | 0      | 21.39       | 0.1377        | 23.05     | 0.2018  |
| Highest                                        |           | 1    | 0      | 21.67       | 0.1469        | 23.33     | 0.2153  |
| Limit                                          | EIRP < 2W |      |        | Result      |               | PASS      |         |



| LTE Band 66 / 1.4MHz (Average) (GT - LC = -1.49 dB) |           |      |        |             |               |           |         |
|-----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                             | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                     |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                              | QPSK      | 1    | 0      | 23.55       | 0.2265        | 22.06     | 0.1607  |
| Middle                                              |           | 1    | 0      | 23.59       | 0.2286        | 22.10     | 0.1622  |
| Highest                                             |           | 1    | 0      | 23.74       | 0.2366        | 22.25     | 0.1679  |
| Lowest                                              | 16QAM     | 1    | 3      | 22.75       | 0.1884        | 21.26     | 0.1337  |
| Middle                                              |           | 1    | 3      | 22.97       | 0.1982        | 21.48     | 0.1406  |
| Highest                                             |           | 1    | 3      | 22.99       | 0.1991        | 21.50     | 0.1413  |
| Lowest                                              | 64QAM     | 1    | 0      | 21.96       | 0.1570        | 20.47     | 0.1114  |
| Middle                                              |           | 1    | 0      | 21.92       | 0.1556        | 20.43     | 0.1104  |
| Highest                                             |           | 1    | 0      | 21.82       | 0.1521        | 20.33     | 0.1079  |
| Limit                                               | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 66 / 3MHz (Average) (GT - LC = -1.49 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 8      | 23.49       | 0.2234        | 22.00     | 0.1585  |
| Middle                                            |           | 1    | 8      | 23.63       | 0.2307        | 22.14     | 0.1637  |
| Highest                                           |           | 1    | 8      | 23.56       | 0.2270        | 22.07     | 0.1611  |
| Lowest                                            | 16QAM     | 1    | 8      | 22.80       | 0.1905        | 21.31     | 0.1352  |
| Middle                                            |           | 1    | 8      | 22.98       | 0.1986        | 21.49     | 0.1409  |
| Highest                                           |           | 1    | 8      | 22.92       | 0.1959        | 21.43     | 0.1390  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.86       | 0.1535        | 20.37     | 0.1089  |
| Middle                                            |           | 1    | 0      | 21.97       | 0.1574        | 20.48     | 0.1117  |
| Highest                                           |           | 1    | 0      | 21.93       | 0.1560        | 20.44     | 0.1107  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 66 / 5MHz (Average) (GT - LC = -1.49 dB) |           |      |        |             |               |           |         |
|---------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                           | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                   |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                            | QPSK      | 1    | 0      | 23.68       | 0.2333        | 22.19     | 0.1656  |
| Middle                                            |           | 1    | 0      | 23.73       | 0.2360        | 22.24     | 0.1675  |
| Highest                                           |           | 1    | 0      | 23.71       | 0.2350        | 22.22     | 0.1667  |
| Lowest                                            | 16QAM     | 1    | 0      | 22.99       | 0.1991        | 21.50     | 0.1413  |
| Middle                                            |           | 1    | 0      | 22.97       | 0.1982        | 21.48     | 0.1406  |
| Highest                                           |           | 1    | 0      | 22.98       | 0.1986        | 21.49     | 0.1409  |
| Lowest                                            | 64QAM     | 1    | 0      | 21.83       | 0.1524        | 20.34     | 0.1081  |
| Middle                                            |           | 1    | 0      | 21.93       | 0.1560        | 20.44     | 0.1107  |
| Highest                                           |           | 1    | 0      | 21.79       | 0.1510        | 20.30     | 0.1072  |
| Limit                                             | EIRP < 1W |      |        | Result      |               | PASS      |         |



| LTE Band 66 / 10MHz (Average) (GT - LC = -1.49 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 25     | 23.55       | 0.2265        | 22.06     | 0.1607  |
| Middle                                             |           | 1    | 25     | 23.63       | 0.2307        | 22.14     | 0.1637  |
| Highest                                            |           | 1    | 25     | 23.72       | 0.2355        | 22.23     | 0.1671  |
| Lowest                                             | 16QAM     | 1    | 25     | 22.74       | 0.1879        | 21.25     | 0.1334  |
| Middle                                             |           | 1    | 25     | 23.00       | 0.1995        | 21.51     | 0.1416  |
| Highest                                            |           | 1    | 25     | 22.85       | 0.1928        | 21.36     | 0.1368  |
| Lowest                                             | 64QAM     | 1    | 25     | 21.68       | 0.1472        | 20.19     | 0.1045  |
| Middle                                             |           | 1    | 25     | 21.85       | 0.1531        | 20.36     | 0.1086  |
| Highest                                            |           | 1    | 25     | 21.76       | 0.1500        | 20.27     | 0.1064  |
| Limit                                              | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 66 / 15MHz (Average) (GT - LC = -1.49 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 0      | 23.61       | 0.2296        | 22.12     | 0.1629  |
| Middle                                             |           | 1    | 0      | 23.70       | 0.2344        | 22.21     | 0.1663  |
| Highest                                            |           | 1    | 0      | 23.68       | 0.2333        | 22.19     | 0.1656  |
| Lowest                                             | 16QAM     | 1    | 37     | 22.71       | 0.1866        | 21.22     | 0.1324  |
| Middle                                             |           | 1    | 37     | 22.94       | 0.1968        | 21.45     | 0.1396  |
| Highest                                            |           | 1    | 37     | 23.00       | 0.1995        | 21.51     | 0.1416  |
| Lowest                                             | 64QAM     | 1    | 0      | 21.81       | 0.1517        | 20.32     | 0.1076  |
| Middle                                             |           | 1    | 0      | 21.84       | 0.1528        | 20.35     | 0.1084  |
| Highest                                            |           | 1    | 0      | 21.93       | 0.1560        | 20.44     | 0.1107  |
| Limit                                              | EIRP < 1W |      |        | Result      |               | PASS      |         |

| LTE Band 66 / 20MHz (Average) (GT - LC = -1.49 dB) |           |      |        |             |               |           |         |
|----------------------------------------------------|-----------|------|--------|-------------|---------------|-----------|---------|
| Channel                                            | Mode      | RB   |        | Conducted   |               | EIRP      |         |
|                                                    |           | Size | Offset | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) |
| Lowest                                             | QPSK      | 1    | 0      | 23.73       | 0.2360        | 22.24     | 0.1675  |
| Middle                                             |           | 1    | 0      | 23.75       | 0.2371        | 22.26     | 0.1683  |
| Highest                                            |           | 1    | 0      | 23.78       | 0.2388        | 22.29     | 0.1694  |
| Lowest                                             | 16QAM     | 1    | 49     | 22.89       | 0.1945        | 21.40     | 0.1380  |
| Middle                                             |           | 1    | 49     | 22.85       | 0.1928        | 21.36     | 0.1368  |
| Highest                                            |           | 1    | 49     | 22.98       | 0.1986        | 21.49     | 0.1409  |
| Lowest                                             | 64QAM     | 1    | 0      | 21.97       | 0.1574        | 20.48     | 0.1117  |
| Middle                                             |           | 1    | 0      | 21.97       | 0.1574        | 20.48     | 0.1117  |
| Highest                                            |           | 1    | 0      | 21.99       | 0.1581        | 20.50     | 0.1122  |
| Limit                                              | EIRP < 1W |      |        | Result      |               | PASS      |         |

**Radiated Spurious Emission****LTE Band 13**

| LTE Band 13 / 10MHz / QPSK |                      |                |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 1576                 | -55.59         | -42.15           | -13.44                  | -69.13                  | -60.93                   | 0.90                       | 8.39                        | H                     |
|                            | 2360                 | -53.54         | -13              | -40.54                  | -72.01                  | -60.77                   | 1.12                       | 10.50                       | H                     |
|                            | 3152                 | -54.38         | -13              | -41.38                  | -74.66                  | -62.60                   | 1.30                       | 11.66                       | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | H                     |
|                            | 1552                 | -26.67         | -13              | -13.67                  | -68.83                  | -31.93                   | 0.89                       | 8.30                        | V                     |
|                            | 2336                 | -51.47         | -13              | -38.47                  | -69.66                  | -58.68                   | 1.11                       | 10.47                       | V                     |
|                            | 3104                 | -53.96         | -13              | -40.96                  | -74.66                  | -62.07                   | 1.29                       | 11.55                       | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                |                  |                         |                         |                          |                            |                             | V                     |

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

**LTE Band 41 HPUE**

| LTE Band 41 / 20MHz / QPSK |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 5028                 | -44.35          | -25              | -19.35                  | -70.77                  | -55.37                   | 1.62                       | 12.64                       | H                     |
|                            | 7542                 | -44.49          | -25              | -19.49                  | -74.68                  | -53.60                   | 2.00                       | 11.11                       | H                     |
|                            | 10053                | -41.42          | -25              | -16.42                  | -74.83                  | -50.28                   | 2.40                       | 11.26                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5028                 | -41.90          | -25              | -16.90                  | -67.91                  | -52.92                   | 1.62                       | 12.64                       | V                     |
|                            | 7542                 | -44.28          | -25              | -19.28                  | -74.43                  | -53.39                   | 2.00                       | 11.11                       | V                     |
|                            | 10053                | -40.56          | -25              | -15.56                  | -74.66                  | -49.42                   | 2.40                       | 11.26                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
| Middle                     | 5202                 | -38.82          | -25              | -13.82                  | -65.33                  | -50.04                   | 1.66                       | 12.88                       | H                     |
|                            | 7803                 | -44.53          | -25              | -19.53                  | -74.34                  | -53.66                   | 2.03                       | 11.16                       | H                     |
|                            | 10404                | -40.43          | -25              | -15.43                  | -74.65                  | -49.01                   | 2.39                       | 10.98                       | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | H                     |
|                            | 5202                 | -37.23          | -25              | -12.23                  | -63.57                  | -48.45                   | 1.66                       | 12.88                       | V                     |
|                            | 7803                 | -44.27          | -25              | -19.27                  | -73.76                  | -53.40                   | 2.03                       | 11.16                       | V                     |
|                            | 10404                | -40.26          | -25              | -15.26                  | -74.4                   | -48.84                   | 2.39                       | 10.98                       | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |
|                            |                      |                 |                  |                         |                         |                          |                            |                             | V                     |



|         |       |        |     |        |        |        |      |       |   |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 5376  | -34.31 | -25 | -9.31  | -61.43 | -45.73 | 1.71 | 13.13 | H |
|         | 8064  | -42.95 | -25 | -17.95 | -73.88 | -52.22 | 2.06 | 11.33 | H |
|         | 10755 | -40.36 | -25 | -15.36 | -74.87 | -48.74 | 2.52 | 10.90 | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         |       |        |     |        |        |        |      |       | H |
|         | 5376  | -32.59 | -25 | -7.59  | -59.32 | -44.01 | 1.71 | 13.13 | V |
|         | 8064  | -41.82 | -25 | -16.82 | -72.75 | -51.09 | 2.06 | 11.33 | V |
|         | 10755 | -40.73 | -25 | -15.73 | -75.01 | -49.11 | 2.52 | 10.90 | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |
|         |       |        |     |        |        |        |      |       | V |

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