



# FCC RADIO TEST REPORT

FCC ID : A4RGTF7P  
Equipment : Phone  
Model Name : GTF7P, G3Y12  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : FCC 47 CFR Part 2, 22(H), 27, Part 90(S)

The product was received on May 23, 2024 and testing was performed from May 24, 2024 to Oct. 25, 2024. 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 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

**Sporton International Inc. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description                                                                                                                   | Issue Date    |
|------------|---------|-------------------------------------------------------------------------------------------------------------------------------|---------------|
| FG451607F  | 01      | Initial issue of report                                                                                                       | Oct. 30, 2024 |
| FG451607F  | 02      | Delete Band 13, 14, 25, 30, and 71<br>This report is an updated version, replacing the report issued on Oct. 30, 2024.        | Nov. 01, 2024 |
| FG451607F  | 03      | Delete Band 2, 4 and 66<br>This report is an updated version, replacing the report issued on Nov. 01, 2024.                   | Nov. 08, 2024 |
| FG451607F  | 04      | Revise Section 2.5, 3.2.1, and Appendix C<br>This report is an updated version, replacing the report issued on Nov. 08, 2024. | Nov. 11, 2024 |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |
|            |         |                                                                                                                               |               |



## Summary of Test Result

| Report Clause | Ref Std. Clause                                               | Test Items                                                             | Result (PASS/FAIL) | Remark                                        |
|---------------|---------------------------------------------------------------|------------------------------------------------------------------------|--------------------|-----------------------------------------------|
| 3.2           | §2.1046                                                       | Conducted Output Power                                                 | Pass               | -                                             |
|               | §22.913 (a)(5)<br>§90.635                                     | Effective Radiated Power (Band 5) (Band 26)                            | Pass               |                                               |
|               | §27.50 (c)(10)                                                | Effective Radiated Power (Band 12) (Band 17)                           |                    |                                               |
|               | §27.50 (h)(2)                                                 | Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)       |                    |                                               |
| 3.3           | §27.50 (d)(5)                                                 | Peak-to-Average Ratio                                                  | Pass               | -                                             |
| 3.4           | §2.1049                                                       | Occupied Bandwidth                                                     | Pass               | -                                             |
| 3.5           | §2.1051<br>§22.917 (a)<br>§27.53 (g)<br>§27.53 (h)            | Conducted Band Edge Measurement (Band 5) (Band 12) (Band 17) (Band 26) | Pass               | -                                             |
|               | §2.1051<br>§27.53 (m)(4)                                      | Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)           |                    |                                               |
| 3.6           | §2.1051<br>§90.691                                            | Emission masks (Band 26)                                               | Pass               | -                                             |
| 3.7           | §2.1051<br>§22.917 (a)<br>§27.53 (g)<br>§27.53 (h)<br>§90.691 | Conducted Spurious Emission (Band 5) (Band 12) (Band 17) (Band 26)     | Pass               | -                                             |
|               | §2.1051<br>§27.53 (m)(4)                                      | Conducted Spurious Emission (Band 7) (Band 38) (Band 41)               |                    |                                               |
| 3.8           | §2.1055<br>§22.355<br><br>§27.54<br><br>§90.691               | Frequency Stability<br>Temperature & Voltage                           | Pass               | -                                             |
| 4.2           | §2.1053<br>§22.917 (a)<br>§27.53 (g)<br>§27.53 (h)<br>§90.691 | Radiated Spurious Emission (Band 5) (Band 12) (Band 17) (Band 26)      | Pass               | 10.25 dB<br>under the limit at<br>7490.00 MHz |
|               | §2.1053<br>§27.53 (m)(4)                                      | Radiated Spurious Emission (Band 7) (Band 38) (Band 41)                |                    |                                               |

**Conformity Assessment Condition:**

1. ECR inquiry for data referencing from A4RGXQ96 has been approved by FCC. The ECR inquiry and the associated document are submitted in the confidential exhibit.
2. A4RGTF7P is different from FCC ID: A4RGXQ96 (Reference model), in the following:
  - The only difference between A4RGXQ96 and A4RGTF7P are the WWAN support bands, which is controlled by software.
3. All the test results are referenced from A4RGXQ96 (Sporton Test Report FG451606B), and spot check results to justify data referencing is presented in the Appendix C.
4. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
5. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

**Disclaimer:**

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The GTF7P and G3Y12 are 100% identical in Hardware / Software to each other, and only have different model names for marketing segmentation. The test sample are all model GTF7P.

**Reviewed by: William Chen****Report Producer: Rebecca Wu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| <b>General Specs</b><br>GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 802.11ax, NFC, WPC Rx and GNSS.         |
| <b>Antenna Type</b><br>WWAN:<br><Ant. 0>: ILA Antenna<br><Ant. 1>: ILA Antenna<br><Ant. 2>: IFA Antenna<br><Ant. 5>: IFA Antenna |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

| EUT Information List                               |                                   |
|----------------------------------------------------|-----------------------------------|
| S/N                                                | Performed Test Item               |
| 44291JEBF05059<br>44291JEBF05074                   | Conducted Measurement<br>ERP/EIRP |
| 44291JEBF05108<br>46181JEBF10881<br>46181JEBF10906 | Radiated Spurious Emission        |

| Support band and evaluated information |                                                                                                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supported band</b>                  | B5, B7, B12, B17, B26, B38, B41                                                                                                                                         |
| <b>Evaluated and Tested band</b>       | B5, B7, B12, B17, B26, B38, B41                                                                                                                                         |
| <b>Band covered information</b>        | RSE frequency band range covers another band when the power is worse as follows:<br>■ B26 cover B5 (Part 22H)<br>■ B12 cover B17 (Part 27)<br>■ B41 cover B38 (Part 27) |



| Antenna information |      |      |      |      |             |            |
|---------------------|------|------|------|------|-------------|------------|
| Band                | Ant0 | Ant1 | Ant2 | Ant5 | Main Ant. # | Sub Ant. # |
| B5                  | -2.8 | -5.3 |      |      | 0           | 1          |
| B12                 | -5.3 | -8.3 |      |      | 0           | 1          |
| B17                 | -5.3 | -8.3 |      |      | 0           | 1          |
| B26                 | -2.6 | -5.2 |      |      | 0           | 1          |
| B7                  | -1.5 |      | -0.4 |      | 2           | 0          |
| B38                 | -2.9 |      | -0.5 |      | 2           | 0          |
| B41                 | -1.5 |      | -0.3 |      | 2           | 0          |

**Remark:**

1. For Test Items, Main Ant. means Tx0 and Sub Ant. means Tx1.
2. After preliminary scan, the main antenna Ant 0 for Low band and main antenna Ant 2 for Mid/high band are selected as the worst mode to be reported for conducted test.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.



### 1.3 Testing Location

|                       |                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| Test Site             | Sporton International Inc. EMC & Wireless Communications Laboratory                                                    |
| Test Site Location    | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |
| Test Site No.         | <b>Sporton Site No.</b><br>TH03-HY                                                                                     |
| Test Engineer         | Cotty Hsu                                                                                                              |
| Temperature (°C)      | 22.5~23.2                                                                                                              |
| Relative Humidity (%) | 52.9~54.6                                                                                                              |

|                       |                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site             | Sporton International Inc. Wensan Laboratory                                                                                                     |
| Test Site Location    | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| Test Site No.         | <b>Sporton Site No.</b><br>03CH23-HY (TAF Code: 3786)                                                                                            |
| Test Engineer         | Leo Li and Lucifer Jiang                                                                                                                         |
| Temperature (°C)      | 19.4~21.1                                                                                                                                        |
| Relative Humidity (%) | 44.7~65.1                                                                                                                                        |
| Remark                | The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.                                          |

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

FCC Designation No.: TW1190 and TW3786

### 1.4 Applicable Standards

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

- ♦ ANSI C63.26-2015
- ♦ FCC 47 CFR Part 2, 22(H), 27, Part 90(S)
- ♦ 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
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.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find X Plane with Adapter for LTE Band 26; Y Plane with Adapter for LTE Band 5B and Band 26;; Y Plane without Accessory for LTE Band 7 and Band 41 (HPUE), Band 41C; Z Plane with Adapter for LTE Band 12 as worst plane.



| Modulation Type | Modulation |
|-----------------|------------|
| A               | QPSK       |
| B               | 16QAM      |
| C               | 64QAM      |
| D               | 256QAM     |

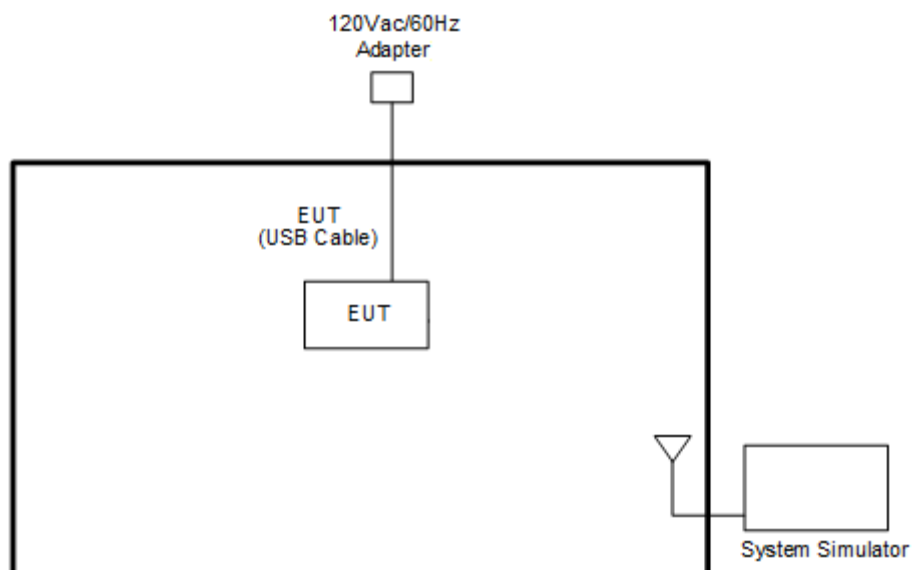
| Test Item              | Modulation Type | Bandwidth                 | RB Size       | Channel |
|------------------------|-----------------|---------------------------|---------------|---------|
| Conducted Power        | A, B, C, D      | All                       | 1, Half, Full | L, M, H |
| EIRP                   | A, B, C, D      | All                       | 1, Half, Full | L, M, H |
| PAR                    | A, B, C, D      | 20 MHz or less            | Full          | M       |
| Bandwidth              | A, B, C, D      | All                       | Full          | M       |
| CBE,<br>Mask (Part 90) | A, B, C, D      | Minimum                   | 1RB           | L, M, H |
|                        |                 | All                       | Full          |         |
| CSE                    | A               | Minimum                   | 1RB           | L, M, H |
| Frequency Stability    | A               | 10MHz/15MHz<br>(B26)      | Full          | M       |
|                        |                 | 10 MHz or less<br>(other) |               |         |
| RSE                    | A               | 10MHz<br>(B26)            | 1RB           | L, M, H |
|                        |                 | 10 MHz or less<br>(other) |               |         |

**Remark:**

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. 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.
3. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adapter mode is the worst case for the official test.
4. All the radiated test cases were performed with USB Cable 1.

## 2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT without Accessory>



## 2.3 Support Unit used in test configuration and system

| Item | Equipment        | Brand Name | Model No. | FCC ID | Data Cable | Power Cord        |
|------|------------------|------------|-----------|--------|------------|-------------------|
| 1.   | System Simulator | Anritsu    | MT8821C   | N/A    | N/A        | Unshielded, 1.8 m |
| 2.   | AC Adapter       | N/A        | GW8L7     | N/A    | N/A        | N/A               |



## 2.4 Measurement Results Explanation Example

### For all conducted test items:

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

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

*Offset = RF cable loss + attenuator factor.*

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

Example :

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



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

| LTE Band 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 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 26 Channel and Frequency List (Part22H) |                        |        |        |         |
|--------------------------------------------------|------------------------|--------|--------|---------|
| 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 26 Channel and Frequency List (Part90S) |                        |        |        |         |
|--------------------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                                         | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15                                               | Channel                | 26765  | -      | -       |
|                                                  | Frequency              | 821.5  | -      | -       |
| 10                                               | Channel                | -      | 26740  | -       |
|                                                  | Frequency              | -      | 819    | -       |
| 5                                                | Channel                | 26715  | 26740  | 26765   |
|                                                  | Frequency              | 816.5  | 819    | 821.5   |
| 3                                                | Channel                | 26705  | 26740  | 26775   |
|                                                  | Frequency              | 815.5  | 819    | 822.5   |
| 1.4                                              | Channel                | 26697  | 26740  | 26783   |
|                                                  | Frequency              | 814.7  | 819    | 823.3   |



| LTE Band 26 Channel and Frequency List (Part90S) |                        |   |                     |   |
|--------------------------------------------------|------------------------|---|---------------------|---|
| BW [MHz]                                         | Channel/Frequency(MHz) | - | cross-rule channels | - |
| 15                                               | Channel                | - | 26790               | - |
|                                                  | Frequency              | - | 824                 | - |
| 10                                               | Channel                | - | 26790               | - |
|                                                  | Frequency              | - | 824                 | - |
| 5                                                | Channel                | - | 26790               | - |
|                                                  | Frequency              | - | 824                 | - |
| 3                                                | Channel                | - | 26790               | - |
|                                                  | Frequency              | - | 824                 | - |
| 1.4                                              | Channel                | - | 26790               | - |
|                                                  | Frequency              | - | 824                 | - |



| 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 5B Channel and Frequency List_CA |                        |           |        |        |         |
|-------------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                                  | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 3 + 5                                     | PCC                    | Channel   | 20416  | 20501  | 20586   |
|                                           |                        | Frequency | 825.6  | 834.1  | 842.6   |
|                                           | SCC                    | Channel   | 20455  | 20540  | 20575   |
|                                           |                        | Frequency | 829.5  | 838.0  | 841.5   |
| 5 + 3                                     | PCC                    | Channel   | 20425  | 20510  | 20595   |
|                                           |                        | Frequency | 826.5  | 835.0  | 843.5   |
|                                           | SCC                    | Channel   | 20464  | 20549  | 20634   |
|                                           |                        | Frequency | 830.4  | 838.9  | 847.4   |
| 5 + 10                                    | PCC                    | Channel   | 20428  | 20478  | 20528   |
|                                           |                        | Frequency | 826.8  | 831.8  | 836.8   |
|                                           | SCC                    | Channel   | 20500  | 20550  | 20600   |
|                                           |                        | Frequency | 834.0  | 839.0  | 844.0   |
| 10 + 5                                    | PCC                    | Channel   | 20450  | 20500  | 20550   |
|                                           |                        | Frequency | 829.0  | 834.0  | 839.0   |
|                                           | SCC                    | Channel   | 20522  | 20572  | 20622   |
|                                           |                        | Frequency | 836.2  | 841.2  | 846.2   |
| 10 + 10                                   | PCC                    | Channel   | 20450  | 20476  | 20501   |
|                                           |                        | Frequency | 829.0  | 831.6  | 834.1   |
|                                           | SCC                    | Channel   | 20549  | 20575  | 20600   |
|                                           |                        | Frequency | 838.9  | 841.5  | 844.0   |



| LTE Band 41C Channel and Frequency List_CA |                        |           |        |        |         |
|--------------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                                   | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 20 + 20                                    | PCC                    | Channel   | 39750  | 40521  | 41292   |
|                                            |                        | Frequency | 2506.0 | 2583.1 | 2660.2  |
|                                            | SCC                    | Channel   | 39948  | 40719  | 41490   |
|                                            |                        | Frequency | 2525.8 | 2602.9 | 2680.0  |
| 20 + 15                                    | PCC                    | Channel   | 39750  | 40546  | 41341   |
|                                            |                        | Frequency | 2506.0 | 2585.6 | 2665.1  |
|                                            | SCC                    | Channel   | 39921  | 40717  | 41512   |
|                                            |                        | Frequency | 2523.1 | 2602.7 | 2682.2  |
| 15 + 20                                    | PCC                    | Channel   | 39728  | 40523  | 41319   |
|                                            |                        | Frequency | 2503.8 | 2593.3 | 2662.9  |
|                                            | SCC                    | Channel   | 39899  | 40694  | 41490   |
|                                            |                        | Frequency | 2520.9 | 2600.4 | 2680.0  |
| 20 + 10                                    | PCC                    | Channel   | 39750  | 40571  | 41391   |
|                                            |                        | Frequency | 2506.0 | 2588.1 | 2670.1  |
|                                            | SCC                    | Channel   | 39894  | 40715  | 41535   |
|                                            |                        | Frequency | 2520.4 | 2602.5 | 2684.5  |
| 10 + 20                                    | PCC                    | Channel   | 39705  | 40526  | 41346   |
|                                            |                        | Frequency | 2501.5 | 2583.6 | 2665.6  |
|                                            | SCC                    | Channel   | 39849  | 40670  | 41490   |
|                                            |                        | Frequency | 2515.9 | 2598.0 | 2680.0  |



| LTE Band 41C Channel and Frequency List_CA |     |           |        |        |        |
|--------------------------------------------|-----|-----------|--------|--------|--------|
| 20 + 5                                     | PCC | Channel   | 39750  | 40595  | 41440  |
|                                            |     | Frequency | 2506.0 | 2590.5 | 2675.0 |
|                                            | SCC | Channel   | 39867  | 40712  | 41557  |
|                                            |     | Frequency | 2517.7 | 2602.2 | 2686.7 |
| 5 + 20                                     | PCC | Channel   | 39683  | 40528  | 41373  |
|                                            |     | Frequency | 2499.3 | 2583.8 | 2668.3 |
|                                            | SCC | Channel   | 39800  | 40645  | 41490  |
|                                            |     | Frequency | 2511.0 | 2595.5 | 2680.0 |
| 15 + 15                                    | PCC | Channel   | 39725  | 40545  | 41365  |
|                                            |     | Frequency | 2503.5 | 2585.5 | 2667.5 |
|                                            | SCC | Channel   | 39875  | 40695  | 41515  |
|                                            |     | Frequency | 2518.5 | 2600.5 | 2682.5 |
| 10 + 15                                    | PCC | Channel   | 39703  | 40549  | 41395  |
|                                            |     | Frequency | 2501.3 | 2585.9 | 2670.5 |
|                                            | SCC | Channel   | 39823  | 40669  | 41515  |
|                                            |     | Frequency | 2513.3 | 2597.9 | 2682.5 |
| 15 + 10                                    | PCC | Channel   | 39725  | 40571  | 41417  |
|                                            |     | Frequency | 2503.5 | 2588.1 | 2672.7 |
|                                            | SCC | Channel   | 39845  | 40691  | 41537  |
|                                            |     | Frequency | 2515.5 | 2600.1 | 2684.7 |

### 3 Conducted Test Items

#### 3.1 Measuring Instruments

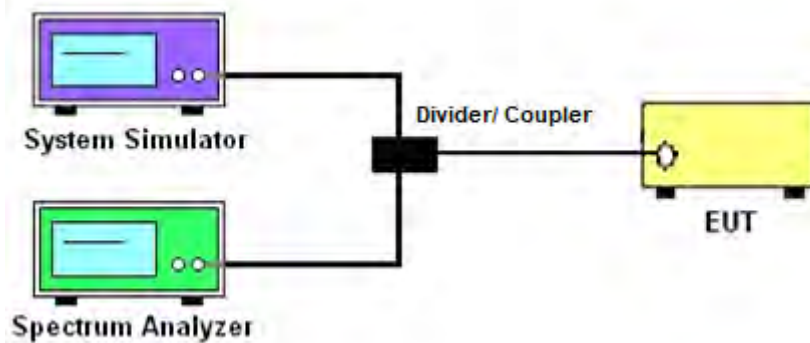
See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

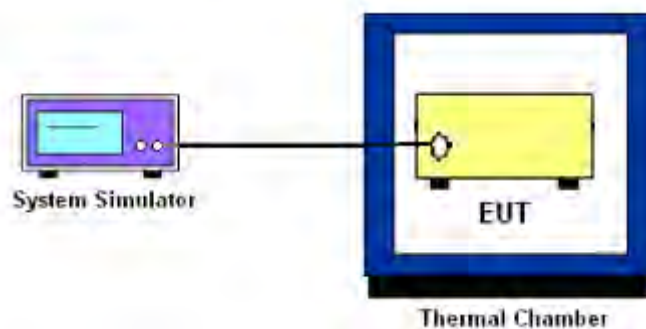
##### 3.1.2 Conducted Output Power



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



##### 3.1.4 Frequency Stability



##### 3.1.5 Test Result of Conducted Test

Please refer to Appendix A.



## 3.2 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5, Band 26 (Part 22H)

The conducted power of mobile transmitters must not exceed 100 Watts for LTE Band 26 (Part 90S)

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 17

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7, Band 38, Band 41

According to KDB 412172 D01 Power Approach,

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

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

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

### 3.2.2 Test Procedures

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



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

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

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

#### **3.3.2 Test Procedures**

The testing follows ANSI C63.26-2015 Section 5.2.6

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



## **3.4 Occupied Bandwidth**

### **3.4.1 Description of Occupied Bandwidth Measurement**

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

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

### **3.4.2 Test Procedures**

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

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



## **3.5 Conducted Band Edge**

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

22.917(a)

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

27.53 (g)

For operations in the 600MHz band and 698-746 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.



27.53(m)(4)

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

### **3.5.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

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



## **3.6 Emission Mask**

### **3.6.1 Description of Emissions Mask Measurement**

For LTE Band 26

Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of FCC Part 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

### **3.6.2 Test Procedures**

For LTE Band 26

1. The EUT was connected to spectrum analyzer and base station via power divider.
2. The emissions mask of low and high channels for the highest RF powers were measured.
3. Set RBW and VBW 3 times of RBW to make the measurement with the spectrum analyzer's, and according to KDB 971168 D02 Misc Rev Approve License Devices v02r01 standards, set RBW = 300 Hz to make offsets less than 37.5 kHz from a channel edge , RBW = 100 kHz to make offsets greater than 37.5 kHz, that is allowed.
4. The test results were shown below plots with a correction offset factor including cable loss, insertion loss of power divider.



### **3.7 Conducted Spurious Emission**

#### **3.7.1 Description of Conducted Spurious Emission Measurement**

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

For LTE Band 7, 38, 41

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

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

#### **3.7.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GHz, VBW = 3 \* RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 7, 38, 41

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



## **3.8 Frequency Stability**

### **3.8.1 Description of Frequency Stability Measurement**

24.235 , 27.54,

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

22.355

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

90.593

Transmitters designed to operate in 769-775 MHz and 799-805 MHz frequency bands must meet the frequency stability requirements in this section.

The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station.

### **3.8.2 Test Procedures for Temperature Variation**

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

### **3.8.3 Test Procedures for Voltage Variation**

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

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

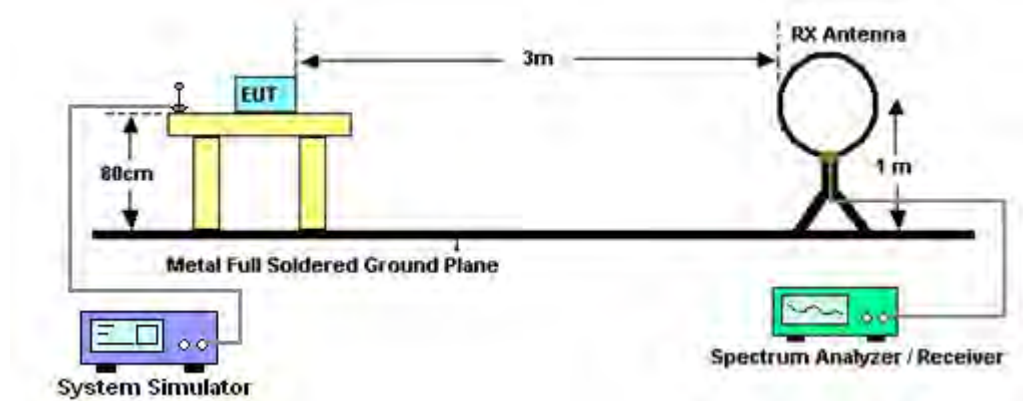
## 4 Radiated Test Items

### 4.1 Measuring Instruments

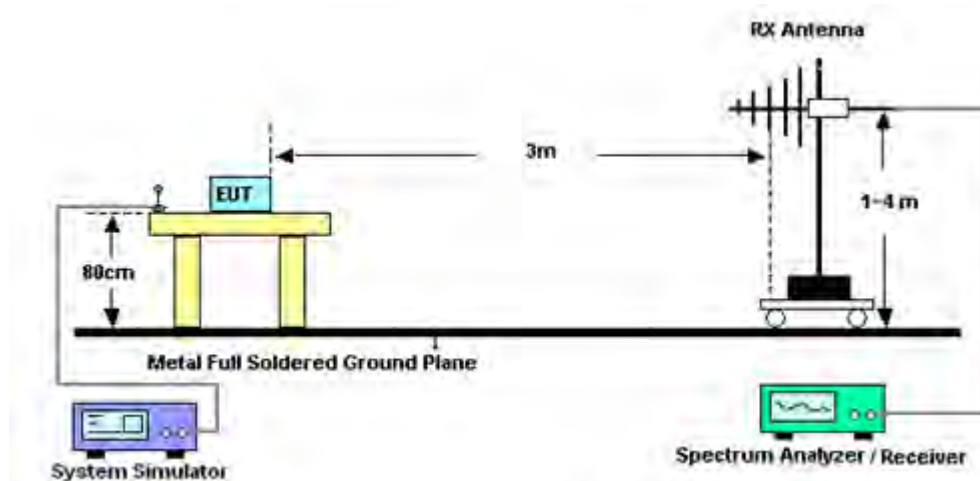
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

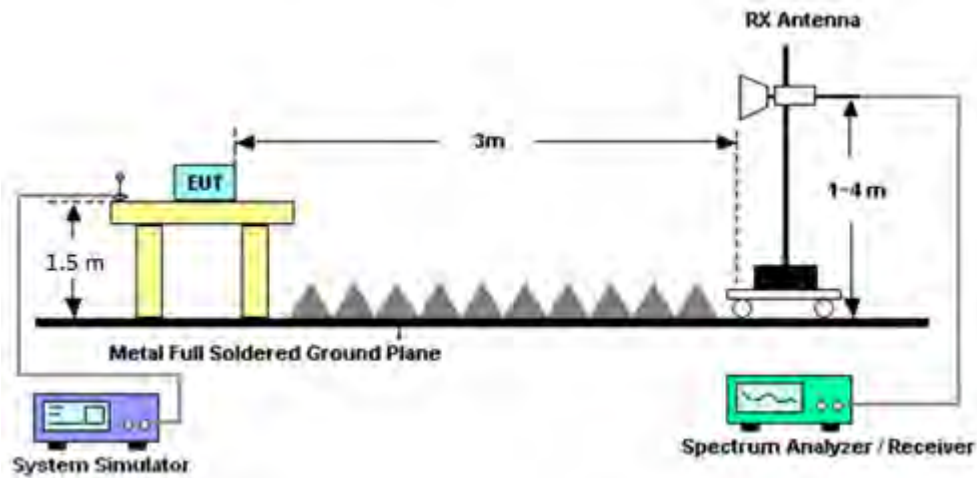
For radiated test below 30MHz



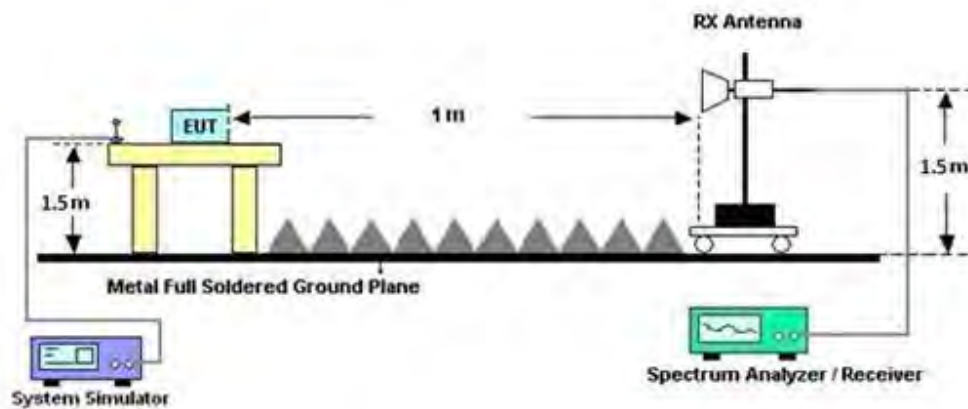
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



#### 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 adequate comparison measurement 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 C63.26-2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For LTE Band 7, 38, 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.

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 C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

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.

1. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
2. The table was rotated 360 degrees to determine the position of the highest spurious emission.
3. 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.
4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
5. To convert spectrum reading E(dBuV/m) to EIRP(dBm)
6.  $EIRP(dBm) = Level (dBuV/m) + 20\log(d) - 104.77$ , where d is the distance at which field strength limit is specified in the rules
7.  $Field\ Strength\ Level (dBm) = Spectrum\ Reading (dBm) + Antenna\ Factor + Cable\ Loss + Read\ Level - Preamp\ Factor.$
8.  $ERP (dBm) = EIRP (dBm) - 2.15$
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



## 5 List of Measuring Equipment

| Instrument                             | Brand Name         | Model No.                                                                   | Serial No.               | Characteristics                     | Calibration Date | Test Date                       | Due Date      | Remark                   |
|----------------------------------------|--------------------|-----------------------------------------------------------------------------|--------------------------|-------------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna                           | Rohde & Schwarz    | HFH2-Z2                                                                     | 100488                   | 9 kHz~30 MHz                        | Sep. 12, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Sep. 11, 2024 | Radiation<br>(03CH23-HY) |
| Bilog Antenna<br>with 6dB pad          | TESEQ &<br>WOKEN   | CBL 6111D &<br>00802N1D-06                                                  | 62028 & 003              | N/A                                 | Oct. 15, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Oct. 14, 2024 | Radiation<br>(03CH23-HY) |
| Amplifier                              | SONOMA             | 310N                                                                        | 421582                   | N/A                                 | Jul. 15, 2023    | Jun. 21, 2024~<br>Jul. 13, 2024 | Jul. 14, 2024 | Radiation<br>(03CH23-HY) |
| Amplifier                              | SONOMA             | 310N                                                                        | 421582                   | N/A                                 | Jul. 14, 2024    | Jul. 14, 2024~<br>Aug. 10, 2024 | Jul. 13, 2025 | Radiation<br>(03CH23-HY) |
| Double Ridged<br>Guide Horn<br>Antenna | RFSPIN             | DRH18-E                                                                     | LE2C05A18EN              | 1GHz~18GHz                          | Jun. 20, 2024    | Jun. 21, 2024~<br>Aug. 10, 2024 | Jun. 19, 2025 | Radiation<br>(03CH23-HY) |
| SHF-EHF Horn<br>Antenna                | SCHWARZB<br>ECK    | BBHA9170                                                                    | 00993                    | 18GHz~40GHz                         | Nov. 24, 2023    | Jun. 21, 2024~<br>Jun. 23, 2024 | Nov. 23, 2024 | Radiation<br>(03CH23-HY) |
| SHF-EHF Horn<br>Antenna                | SCHWARZB<br>ECK    | BBHA9170                                                                    | 1223                     | 18GHz~40GHz                         | Jun. 24, 2024    | Jun. 24, 2024~<br>Aug. 10, 2024 | Jun. 23, 2025 | Radiation<br>(03CH23-HY) |
| Amplifier                              | EMEC               | EM01G18GA                                                                   | 060878                   | N/A                                 | Sep. 28, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Sep. 27, 2024 | Radiation<br>(03CH23-HY) |
| Preamplifier                           | EMEC               | EM18G40G                                                                    | 060871                   | 18-40GHz                            | Sep. 06, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Sep. 05, 2024 | Radiation<br>(03CH23-HY) |
| Signal Analyzer                        | Keysight           | N9010B                                                                      | MY62170337               | N/A                                 | Aug. 17, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Aug. 16, 2024 | Radiation<br>(03CH23-HY) |
| Hygrometer                             | TECEPEL            | DTM-303B                                                                    | TP211542                 | N/A                                 | Oct. 30, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Oct. 29, 2024 | Radiation<br>(03CH23-HY) |
| Controller                             | EMEC               | EM1000                                                                      | N/A                      | Control Turn<br>table & Ant Mast    | N/A              | Jun. 21, 2024~<br>Aug. 10, 2024 | N/A           | Radiation<br>(03CH23-HY) |
| Antenna Mast                           | ChainTek           | MBS-520-1                                                                   | N/A                      | 1m~4m                               | N/A              | Jun. 21, 2024~<br>Aug. 10, 2024 | N/A           | Radiation<br>(03CH23-HY) |
| Turn Table                             | ChainTek           | T-200-S-1                                                                   | N/A                      | 0~360 Degree                        | N/A              | Jun. 21, 2024~<br>Aug. 10, 2024 | N/A           | Radiation<br>(03CH23-HY) |
| Software                               | Audix              | E3<br>6.09824_2019<br>122                                                   | RK-002348                | N/A                                 | N/A              | Jun. 21, 2024~<br>Aug. 10, 2024 | N/A           | Radiation<br>(03CH23-HY) |
| RF Cable                               | HUBER +<br>SUHNER  | SUCOFLEX<br>102                                                             | 803951/2                 | 9kHz~30MHz                          | Mar. 06, 2024    | Jun. 21, 2024~<br>Aug. 10, 2024 | Mar. 05, 2025 | Radiation<br>(03CH23-HY) |
| RF Cable                               | HUBER +<br>SUHNER  | SUCOFLEX<br>102                                                             | 804395/2                 | N/A                                 | Nov. 27, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Nov. 26, 2024 | Radiation<br>(03CH23-HY) |
| RF Cable                               | EMC                | EMC101Y                                                                     | 231115/231119/<br>231122 | N/A                                 | Nov. 27, 2023    | Jun. 21, 2024~<br>Aug. 10, 2024 | Nov. 26, 2024 | Radiation<br>(03CH23-HY) |
| Radio<br>Communication<br>Analyzer     | Anritsu            | MT8821C                                                                     | 6262025353               | LTE FDD/TDD<br>LTE-2CC<br>DLCA/ULCA | Oct. 03, 2023    | May 24, 2024~<br>Jun. 28, 2024  | Oct. 02, 2024 | Conducted<br>(TH03-HY)   |
| Thermal Chamber                        | ESPEC              | SH-641                                                                      | 92013720                 | -40℃ ~90℃                           | Sep. 04, 2023    | May 24, 2024~<br>Jun. 28, 2024  | Sep. 03, 2024 | Conducted<br>(TH03-HY)   |
| DC Power Supply                        | GW Instek          | GPP-2323                                                                    | GES906037                | 0V~64V : 0A~6A                      | Nov. 28, 2023    | May 24, 2024~<br>Jun. 28, 2024  | Nov. 27, 2024 | Conducted<br>(TH03-HY)   |
| Coupler+10dB+<br>RFcable               | Warison+Wo<br>Ken  | 20dB 25W<br>SMA<br>Directional<br>Coupler+ 10dB<br>18GHz_5W+S<br>FL405_1.5M | #A+#1+#1+#7              | 1-18GHz                             | Jan. 02, 2024    | May 24, 2024~<br>Jun. 28, 2024  | Jan. 01, 2025 | Conducted<br>(TH03-HY)   |
| Spectrum<br>Analyzer                   | Rohde &<br>Schwarz | FSV40                                                                       | 101905                   | 10Hz~40GHz                          | Jul. 14, 2023    | May 24, 2024~<br>Jun. 28, 2024  | Jul. 13, 2024 | Conducted<br>(TH03-HY)   |
| Power divider                          | Anritsu            | K241C                                                                       | 2143398                  | 9KHz~40GHz                          | Jun. 13, 2024    | May 24, 2024~<br>Jun. 28, 2024  | Jun. 12, 2025 | Conducted<br>(TH03-HY)   |
| Software                               | Sporton            | LTE<br>Conducted<br>Test Tools                                              | N/A                      | Conducted Test<br>Item              | N/A              | May 24, 2024~<br>Jun. 28, 2024  | N/A           | Conducted<br>(TH03-HY)   |



## 6 Measurement Uncertainty

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.43 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.56 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.19 dB |
|-------------------------------------------------------------------------|---------|



## Appendix A. Test Results of Conducted Test

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

<Tx0>

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.8 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                         | 1        | 0         | QPSK    | 24.70  | 24.72  | 24.67   | 19.77     | 0.0948  |
| 10                                                         | 1        | 25        |         | 24.57  | 24.53  | 24.49   |           |         |
| 10                                                         | 1        | 49        |         | 24.56  | 24.57  | 24.47   |           |         |
| 10                                                         | 25       | 0         |         | 23.81  | 23.83  | 23.73   |           |         |
| 10                                                         | 25       | 12        |         | 23.78  | 23.78  | 23.69   |           |         |
| 10                                                         | 25       | 25        |         | 23.77  | 23.78  | 23.67   |           |         |
| 10                                                         | 50       | 0         |         | 23.82  | 23.84  | 23.71   |           |         |
| 10                                                         | 1        | 0         | 16-QAM  | 23.98  | 23.94  | 23.93   | 19.03     | 0.0800  |
| 10                                                         | 1        | 25        |         | 23.91  | 23.83  | 23.80   |           |         |
| 10                                                         | 1        | 49        |         | 23.85  | 23.84  | 23.89   |           |         |
| 10                                                         | 25       | 0         |         | 22.80  | 22.82  | 22.78   |           |         |
| 10                                                         | 25       | 12        |         | 22.82  | 22.82  | 22.75   |           |         |
| 10                                                         | 25       | 25        |         | 22.77  | 22.77  | 22.72   |           |         |
| 10                                                         | 50       | 0         |         | 22.80  | 22.81  | 22.77   |           |         |
| 10                                                         | 1        | 0         | 64-QAM  | 22.96  | 22.79  | 22.83   | 18.01     | 0.0632  |
| 10                                                         | 1        | 25        |         | 22.71  | 22.78  | 22.73   |           |         |
| 10                                                         | 1        | 49        |         | 22.71  | 22.81  | 22.61   |           |         |
| 10                                                         | 25       | 0         |         | 21.81  | 21.80  | 21.76   |           |         |
| 10                                                         | 25       | 12        |         | 21.79  | 21.76  | 21.72   |           |         |
| 10                                                         | 25       | 25        |         | 21.74  | 21.75  | 21.71   |           |         |
| 10                                                         | 50       | 0         |         | 21.83  | 21.82  | 21.73   |           |         |
| 10                                                         | 1        | 0         | 256-QAM | 19.95  | 20.02  | 19.98   | 15.08     | 0.0322  |
| 10                                                         | 1        | 25        |         | 19.95  | 19.95  | 19.90   |           |         |
| 10                                                         | 1        | 49        |         | 19.74  | 19.84  | 19.74   |           |         |
| 10                                                         | 25       | 0         |         | 19.94  | 20.03  | 19.99   |           |         |
| 10                                                         | 25       | 12        |         | 19.85  | 19.87  | 19.78   |           |         |
| 10                                                         | 25       | 25        |         | 19.81  | 19.83  | 19.77   |           |         |
| 10                                                         | 50       | 0         |         | 19.89  | 19.90  | 19.85   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.8 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                          | 1        | 0         | QPSK    | 24.69  | 24.71  | 24.62   | 19.76     | 0.0946  |
| 5                                                          | 1        | 12        |         | 24.67  | 24.67  | 24.59   |           |         |
| 5                                                          | 1        | 24        |         | 24.64  | 24.66  | 24.57   |           |         |
| 5                                                          | 12       | 0         |         | 23.75  | 23.73  | 23.66   |           |         |
| 5                                                          | 12       | 7         |         | 23.76  | 23.73  | 23.66   |           |         |
| 5                                                          | 12       | 13        |         | 23.73  | 23.71  | 23.64   |           |         |
| 5                                                          | 25       | 0         |         | 23.77  | 23.75  | 23.65   |           |         |
| 5                                                          | 1        | 0         | 16-QAM  | 23.91  | 23.93  | 23.96   | 19.01     | 0.0796  |
| 5                                                          | 1        | 12        |         | 23.86  | 23.93  | 23.86   |           |         |
| 5                                                          | 1        | 24        |         | 23.79  | 23.89  | 23.76   |           |         |
| 5                                                          | 12       | 0         |         | 22.73  | 22.74  | 22.66   |           |         |
| 5                                                          | 12       | 7         |         | 22.74  | 22.75  | 22.65   |           |         |
| 5                                                          | 12       | 13        |         | 22.72  | 22.74  | 22.60   |           |         |
| 5                                                          | 25       | 0         |         | 22.76  | 22.78  | 22.68   |           |         |
| 5                                                          | 1        | 0         | 64-QAM  | 22.85  | 22.83  | 22.80   | 17.94     | 0.0622  |
| 5                                                          | 1        | 12        |         | 22.89  | 22.82  | 22.69   |           |         |
| 5                                                          | 1        | 24        |         | 22.81  | 22.75  | 22.70   |           |         |
| 5                                                          | 12       | 0         |         | 21.75  | 21.80  | 21.70   |           |         |
| 5                                                          | 12       | 7         |         | 21.74  | 21.76  | 21.68   |           |         |
| 5                                                          | 12       | 13        |         | 21.71  | 21.71  | 21.65   |           |         |
| 5                                                          | 25       | 0         |         | 21.77  | 21.77  | 21.68   |           |         |
| 5                                                          | 1        | 0         | 256-QAM | 19.95  | 20.01  | 19.97   | 15.06     | 0.0321  |
| 5                                                          | 1        | 12        |         | 19.91  | 19.89  | 19.87   |           |         |
| 5                                                          | 1        | 24        |         | 19.66  | 19.75  | 19.67   |           |         |
| 5                                                          | 12       | 0         |         | 19.91  | 19.98  | 19.92   |           |         |
| 5                                                          | 12       | 7         |         | 19.84  | 19.80  | 19.75   |           |         |
| 5                                                          | 12       | 13        |         | 19.76  | 19.77  | 19.76   |           |         |
| 5                                                          | 25       | 0         |         | 19.89  | 19.90  | 19.79   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.8 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                          | 1        | 0         | QPSK    | 24.69  | 24.71  | 24.67   | 19.76     | 0.0946  |
| 3                                                          | 1        | 8         |         | 24.64  | 24.61  | 24.46   |           |         |
| 3                                                          | 1        | 14        |         | 24.68  | 24.65  | 24.53   |           |         |
| 3                                                          | 8        | 0         |         | 23.74  | 23.71  | 23.59   |           |         |
| 3                                                          | 8        | 4         |         | 23.69  | 23.71  | 23.60   |           |         |
| 3                                                          | 8        | 7         |         | 23.74  | 23.70  | 23.58   |           |         |
| 3                                                          | 15       | 0         |         | 23.75  | 23.73  | 23.64   |           |         |
| 3                                                          | 1        | 0         | 16-QAM  | 24.03  | 24.01  | 23.85   | 19.08     | 0.0809  |
| 3                                                          | 1        | 8         |         | 23.91  | 23.91  | 23.76   |           |         |
| 3                                                          | 1        | 14        |         | 23.96  | 23.94  | 23.80   |           |         |
| 3                                                          | 8        | 0         |         | 22.75  | 22.76  | 22.60   |           |         |
| 3                                                          | 8        | 4         |         | 22.73  | 22.74  | 22.62   |           |         |
| 3                                                          | 8        | 7         |         | 22.73  | 22.74  | 22.61   |           |         |
| 3                                                          | 15       | 0         |         | 22.70  | 22.71  | 22.59   |           |         |
| 3                                                          | 1        | 0         | 64-QAM  | 22.78  | 22.83  | 22.68   | 17.88     | 0.0614  |
| 3                                                          | 1        | 8         |         | 22.70  | 22.78  | 22.60   |           |         |
| 3                                                          | 1        | 14        |         | 22.77  | 22.77  | 22.62   |           |         |
| 3                                                          | 8        | 0         |         | 21.81  | 21.75  | 21.67   |           |         |
| 3                                                          | 8        | 4         |         | 21.83  | 21.76  | 21.64   |           |         |
| 3                                                          | 8        | 7         |         | 21.81  | 21.76  | 21.65   |           |         |
| 3                                                          | 15       | 0         |         | 21.75  | 21.75  | 21.64   |           |         |
| 3                                                          | 1        | 0         | 256-QAM | 19.94  | 19.94  | 19.91   | 15.08     | 0.0322  |
| 3                                                          | 1        | 8         |         | 19.86  | 19.88  | 19.89   |           |         |
| 3                                                          | 1        | 14        |         | 19.70  | 19.75  | 19.64   |           |         |
| 3                                                          | 8        | 0         |         | 19.93  | 20.03  | 19.89   |           |         |
| 3                                                          | 8        | 4         |         | 19.81  | 19.78  | 19.68   |           |         |
| 3                                                          | 8        | 7         |         | 19.72  | 19.73  | 19.68   |           |         |
| 3                                                          | 15       | 0         |         | 19.84  | 19.85  | 19.85   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -2.8 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                        | 1        | 0         | QPSK    | 24.68  | 24.69  | 24.54   | 19.74     | 0.0942  |
| 1.4                                                        | 1        | 3         |         | 24.64  | 24.56  | 24.43   |           |         |
| 1.4                                                        | 1        | 5         |         | 24.62  | 24.65  | 24.52   |           |         |
| 1.4                                                        | 3        | 0         |         | 24.67  | 24.61  | 24.53   |           |         |
| 1.4                                                        | 3        | 1         |         | 24.64  | 24.50  | 24.40   |           |         |
| 1.4                                                        | 3        | 3         |         | 24.65  | 24.58  | 24.51   |           |         |
| 1.4                                                        | 6        | 0         |         | 23.64  | 23.64  | 23.53   |           |         |
| 1.4                                                        | 1        | 0         | 16-QAM  | 23.95  | 23.95  | 23.81   | 19.00     | 0.0794  |
| 1.4                                                        | 1        | 3         |         | 23.88  | 23.85  | 23.71   |           |         |
| 1.4                                                        | 1        | 5         |         | 23.92  | 23.89  | 23.73   |           |         |
| 1.4                                                        | 3        | 0         |         | 23.75  | 23.70  | 23.60   |           |         |
| 1.4                                                        | 3        | 1         |         | 23.74  | 23.64  | 23.57   |           |         |
| 1.4                                                        | 3        | 3         |         | 23.76  | 23.72  | 23.62   |           |         |
| 1.4                                                        | 6        | 0         |         | 22.68  | 22.67  | 22.56   |           |         |
| 1.4                                                        | 1        | 0         | 64-QAM  | 22.80  | 22.77  | 22.66   | 17.90     | 0.0617  |
| 1.4                                                        | 1        | 3         |         | 22.72  | 22.72  | 22.59   |           |         |
| 1.4                                                        | 1        | 5         |         | 22.85  | 22.71  | 22.65   |           |         |
| 1.4                                                        | 3        | 0         |         | 22.77  | 22.72  | 22.62   |           |         |
| 1.4                                                        | 3        | 1         |         | 22.73  | 22.75  | 22.63   |           |         |
| 1.4                                                        | 3        | 3         |         | 22.73  | 22.72  | 22.61   |           |         |
| 1.4                                                        | 6        | 0         |         | 21.72  | 21.69  | 21.58   |           |         |
| 1.4                                                        | 1        | 0         | 256-QAM | 19.95  | 19.96  | 19.95   | 15.02     | 0.0318  |
| 1.4                                                        | 1        | 3         |         | 19.93  | 19.86  | 19.86   |           |         |
| 1.4                                                        | 1        | 5         |         | 19.69  | 19.74  | 19.72   |           |         |
| 1.4                                                        | 3        | 0         |         | 19.89  | 19.97  | 19.89   |           |         |
| 1.4                                                        | 3        | 1         |         | 19.84  | 19.78  | 19.78   |           |         |
| 1.4                                                        | 3        | 3         |         | 19.80  | 19.75  | 19.70   |           |         |
| 1.4                                                        | 6        | 0         |         | 19.84  | 19.90  | 19.76   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.4 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                         | 1          | 0         | QPSK    | 24.40  | 24.45  | 24.35   | 24.05      | 0.2541   |
| 20                                                         | 1          | 49        |         | 24.35  | 24.37  | 24.30   |            |          |
| 20                                                         | 1          | 99        |         | 24.32  | 24.44  | 24.30   |            |          |
| 20                                                         | 50         | 0         |         | 23.39  | 23.42  | 23.41   |            |          |
| 20                                                         | 50         | 24        |         | 23.38  | 23.37  | 23.40   |            |          |
| 20                                                         | 50         | 50        |         | 23.37  | 23.40  | 23.40   |            |          |
| 20                                                         | 100        | 0         |         | 23.37  | 23.41  | 23.40   |            |          |
| 20                                                         | 1          | 0         | 16-QAM  | 23.48  | 23.49  | 23.51   | 23.49      | 0.2234   |
| 20                                                         | 1          | 49        |         | 23.76  | 23.89  | 23.68   |            |          |
| 20                                                         | 1          | 99        |         | 23.44  | 23.76  | 23.39   |            |          |
| 20                                                         | 50         | 0         |         | 22.30  | 22.34  | 22.33   |            |          |
| 20                                                         | 50         | 24        |         | 22.32  | 22.38  | 22.35   |            |          |
| 20                                                         | 50         | 50        |         | 22.32  | 22.42  | 22.36   |            |          |
| 20                                                         | 100        | 0         |         | 22.29  | 22.36  | 22.34   |            |          |
| 20                                                         | 1          | 0         | 64-QAM  | 22.42  | 22.44  | 22.53   | 22.41      | 0.1742   |
| 20                                                         | 1          | 49        |         | 22.81  | 22.68  | 22.58   |            |          |
| 20                                                         | 1          | 99        |         | 22.42  | 22.77  | 22.45   |            |          |
| 20                                                         | 50         | 0         |         | 21.39  | 21.37  | 21.37   |            |          |
| 20                                                         | 50         | 24        |         | 21.37  | 21.43  | 21.39   |            |          |
| 20                                                         | 50         | 50        |         | 21.37  | 21.46  | 21.40   |            |          |
| 20                                                         | 100        | 0         |         | 21.33  | 21.38  | 21.35   |            |          |
| 20                                                         | 1          | 0         | 256-QAM | 19.47  | 19.48  | 19.41   | 19.08      | 0.0809   |
| 20                                                         | 1          | 49        |         | 19.23  | 19.32  | 19.28   |            |          |
| 20                                                         | 1          | 99        |         | 19.38  | 19.40  | 19.35   |            |          |
| 20                                                         | 50         | 0         |         | 19.23  | 19.31  | 19.27   |            |          |
| 20                                                         | 50         | 24        |         | 19.22  | 19.22  | 19.16   |            |          |
| 20                                                         | 50         | 50        |         | 19.16  | 19.23  | 19.16   |            |          |
| 20                                                         | 100        | 0         |         | 19.36  | 19.39  | 19.30   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.4 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                         | 1          | 0         | QPSK    | 24.19  | 24.28  | 24.21   | 24.03      | 0.2529   |
| 15                                                         | 1          | 37        |         | 24.21  | 24.43  | 24.25   |            |          |
| 15                                                         | 1          | 74        |         | 24.13  | 24.29  | 24.15   |            |          |
| 15                                                         | 36         | 0         |         | 23.33  | 23.30  | 23.29   |            |          |
| 15                                                         | 36         | 20        |         | 23.34  | 23.33  | 23.30   |            |          |
| 15                                                         | 36         | 39        |         | 23.30  | 23.31  | 23.30   |            |          |
| 15                                                         | 75         | 0         |         | 23.35  | 23.35  | 23.37   |            |          |
| 15                                                         | 1          | 0         | 16-QAM  | 23.45  | 23.55  | 23.47   | 23.31      | 0.2143   |
| 15                                                         | 1          | 37        |         | 23.46  | 23.62  | 23.62   |            |          |
| 15                                                         | 1          | 74        |         | 23.45  | 23.71  | 23.42   |            |          |
| 15                                                         | 36         | 0         |         | 22.25  | 22.27  | 22.25   |            |          |
| 15                                                         | 36         | 20        |         | 22.30  | 22.35  | 22.25   |            |          |
| 15                                                         | 36         | 39        |         | 22.31  | 22.40  | 22.25   |            |          |
| 15                                                         | 75         | 0         |         | 22.30  | 22.34  | 22.30   |            |          |
| 15                                                         | 1          | 0         | 64-QAM  | 22.50  | 22.43  | 22.40   | 22.33      | 0.1710   |
| 15                                                         | 1          | 37        |         | 22.59  | 22.71  | 22.46   |            |          |
| 15                                                         | 1          | 74        |         | 22.55  | 22.73  | 22.30   |            |          |
| 15                                                         | 36         | 0         |         | 21.31  | 21.34  | 21.32   |            |          |
| 15                                                         | 36         | 20        |         | 21.35  | 21.40  | 21.35   |            |          |
| 15                                                         | 36         | 39        |         | 21.36  | 21.47  | 21.31   |            |          |
| 15                                                         | 75         | 0         |         | 21.28  | 21.35  | 21.28   |            |          |
| 15                                                         | 1          | 0         | 256-QAM | 19.47  | 19.39  | 19.31   | 19.07      | 0.0807   |
| 15                                                         | 1          | 37        |         | 19.14  | 19.27  | 19.24   |            |          |
| 15                                                         | 1          | 74        |         | 19.37  | 19.33  | 19.30   |            |          |
| 15                                                         | 36         | 0         |         | 19.23  | 19.25  | 19.22   |            |          |
| 15                                                         | 36         | 20        |         | 19.18  | 19.22  | 19.08   |            |          |
| 15                                                         | 36         | 39        |         | 19.06  | 19.23  | 19.14   |            |          |
| 15                                                         | 75         | 0         |         | 19.29  | 19.37  | 19.24   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.4 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                         | 1          | 0         | QPSK    | 24.26  | 24.30  | 24.21   | 23.90      | 0.2455   |
| 10                                                         | 1          | 25        |         | 24.12  | 24.16  | 24.04   |            |          |
| 10                                                         | 1          | 49        |         | 24.18  | 24.21  | 24.09   |            |          |
| 10                                                         | 25         | 0         |         | 23.36  | 23.30  | 23.29   |            |          |
| 10                                                         | 25         | 12        |         | 23.36  | 23.31  | 23.29   |            |          |
| 10                                                         | 25         | 25        |         | 23.32  | 23.28  | 23.30   |            |          |
| 10                                                         | 50         | 0         |         | 23.31  | 23.26  | 23.28   |            |          |
| 10                                                         | 1          | 0         | 16-QAM  | 23.27  | 23.43  | 23.36   | 23.18      | 0.2080   |
| 10                                                         | 1          | 25        |         | 23.28  | 23.46  | 23.23   |            |          |
| 10                                                         | 1          | 49        |         | 23.48  | 23.58  | 23.21   |            |          |
| 10                                                         | 25         | 0         |         | 22.28  | 22.31  | 22.25   |            |          |
| 10                                                         | 25         | 12        |         | 22.32  | 22.33  | 22.28   |            |          |
| 10                                                         | 25         | 25        |         | 22.32  | 22.39  | 22.24   |            |          |
| 10                                                         | 50         | 0         |         | 22.23  | 22.26  | 22.21   |            |          |
| 10                                                         | 1          | 0         | 64-QAM  | 22.28  | 22.44  | 22.42   | 22.23      | 0.1671   |
| 10                                                         | 1          | 25        |         | 22.27  | 22.53  | 22.24   |            |          |
| 10                                                         | 1          | 49        |         | 22.42  | 22.63  | 22.24   |            |          |
| 10                                                         | 25         | 0         |         | 21.29  | 21.32  | 21.28   |            |          |
| 10                                                         | 25         | 12        |         | 21.30  | 21.35  | 21.27   |            |          |
| 10                                                         | 25         | 25        |         | 21.31  | 21.36  | 21.25   |            |          |
| 10                                                         | 50         | 0         |         | 21.30  | 21.36  | 21.29   |            |          |
| 10                                                         | 1          | 0         | 256-QAM | 19.40  | 19.40  | 19.32   | 19.00      | 0.0794   |
| 10                                                         | 1          | 25        |         | 19.23  | 19.27  | 19.18   |            |          |
| 10                                                         | 1          | 49        |         | 19.30  | 19.34  | 19.35   |            |          |
| 10                                                         | 25         | 0         |         | 19.23  | 19.30  | 19.21   |            |          |
| 10                                                         | 25         | 12        |         | 19.21  | 19.17  | 19.14   |            |          |
| 10                                                         | 25         | 25        |         | 19.07  | 19.17  | 19.08   |            |          |
| 10                                                         | 50         | 0         |         | 19.30  | 19.35  | 19.28   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -0.4 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                          | 1          | 0         | QPSK    | 24.37  | 24.44  | 24.33   | 24.04      | 0.2535   |
| 5                                                          | 1          | 12        |         | 24.44  | 24.44  | 24.40   |            |          |
| 5                                                          | 1          | 24        |         | 24.43  | 24.44  | 24.32   |            |          |
| 5                                                          | 12         | 0         |         | 23.39  | 23.44  | 23.31   |            |          |
| 5                                                          | 12         | 7         |         | 23.42  | 23.46  | 23.32   |            |          |
| 5                                                          | 12         | 13        |         | 23.42  | 23.46  | 23.33   |            |          |
| 5                                                          | 25         | 0         |         | 23.49  | 23.46  | 23.43   |            |          |
| 5                                                          | 1          | 0         | 16-QAM  | 23.61  | 23.70  | 23.63   | 23.42      | 0.2198   |
| 5                                                          | 1          | 12        |         | 23.55  | 23.71  | 23.38   |            |          |
| 5                                                          | 1          | 24        |         | 23.65  | 23.82  | 23.46   |            |          |
| 5                                                          | 12         | 0         |         | 22.32  | 22.48  | 22.35   |            |          |
| 5                                                          | 12         | 7         |         | 22.35  | 22.53  | 22.35   |            |          |
| 5                                                          | 12         | 13        |         | 22.38  | 22.54  | 22.33   |            |          |
| 5                                                          | 25         | 0         |         | 22.46  | 22.50  | 22.39   |            |          |
| 5                                                          | 1          | 0         | 64-QAM  | 22.45  | 22.69  | 22.50   | 22.40      | 0.1738   |
| 5                                                          | 1          | 12        |         | 22.53  | 22.70  | 22.43   |            |          |
| 5                                                          | 1          | 24        |         | 22.45  | 22.80  | 22.32   |            |          |
| 5                                                          | 12         | 0         |         | 21.31  | 21.47  | 21.35   |            |          |
| 5                                                          | 12         | 7         |         | 21.33  | 21.54  | 21.34   |            |          |
| 5                                                          | 12         | 13        |         | 21.33  | 21.60  | 21.30   |            |          |
| 5                                                          | 25         | 0         |         | 21.42  | 21.50  | 21.41   |            |          |
| 5                                                          | 1          | 0         | 256-QAM | 19.42  | 19.43  | 19.32   | 19.03      | 0.0800   |
| 5                                                          | 1          | 12        |         | 19.16  | 19.24  | 19.18   |            |          |
| 5                                                          | 1          | 24        |         | 19.28  | 19.40  | 19.25   |            |          |
| 5                                                          | 12         | 0         |         | 19.15  | 19.31  | 19.19   |            |          |
| 5                                                          | 12         | 7         |         | 19.22  | 19.21  | 19.15   |            |          |
| 5                                                          | 12         | 13        |         | 19.08  | 19.22  | 19.08   |            |          |
| 5                                                          | 25         | 0         |         | 19.29  | 19.37  | 19.26   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK    | 24.64  | 24.66  | 24.65   | 17.21     | 0.0526  |
| 10                                                          | 1        | 25        |         | 24.52  | 24.54  | 24.49   |           |         |
| 10                                                          | 1        | 49        |         | 24.60  | 24.62  | 24.59   |           |         |
| 10                                                          | 25       | 0         |         | 23.79  | 23.81  | 23.79   |           |         |
| 10                                                          | 25       | 12        |         | 23.75  | 23.77  | 23.74   |           |         |
| 10                                                          | 25       | 25        |         | 23.72  | 23.75  | 23.71   |           |         |
| 10                                                          | 50       | 0         |         | 23.81  | 23.84  | 23.80   |           |         |
| 10                                                          | 1        | 0         | 16-QAM  | 23.99  | 23.92  | 24.02   | 16.57     | 0.0454  |
| 10                                                          | 1        | 25        |         | 23.95  | 23.94  | 23.97   |           |         |
| 10                                                          | 1        | 49        |         | 23.98  | 23.92  | 23.92   |           |         |
| 10                                                          | 25       | 0         |         | 22.80  | 22.81  | 22.81   |           |         |
| 10                                                          | 25       | 12        |         | 22.82  | 22.83  | 22.81   |           |         |
| 10                                                          | 25       | 25        |         | 22.84  | 22.82  | 22.83   |           |         |
| 10                                                          | 50       | 0         |         | 22.80  | 22.80  | 22.79   |           |         |
| 10                                                          | 1        | 0         | 64-QAM  | 22.83  | 22.82  | 22.81   | 15.47     | 0.0352  |
| 10                                                          | 1        | 25        |         | 22.78  | 22.91  | 22.79   |           |         |
| 10                                                          | 1        | 49        |         | 22.87  | 22.92  | 22.90   |           |         |
| 10                                                          | 25       | 0         |         | 21.80  | 21.78  | 21.78   |           |         |
| 10                                                          | 25       | 12        |         | 21.80  | 21.80  | 21.79   |           |         |
| 10                                                          | 25       | 25        |         | 21.81  | 21.80  | 21.81   |           |         |
| 10                                                          | 50       | 0         |         | 21.84  | 21.86  | 21.85   |           |         |
| 10                                                          | 1        | 0         | 256-QAM | 20.02  | 20.09  | 20.05   | 12.64     | 0.0184  |
| 10                                                          | 1        | 25        |         | 19.98  | 20.00  | 20.00   |           |         |
| 10                                                          | 1        | 49        |         | 19.80  | 19.88  | 19.78   |           |         |
| 10                                                          | 25       | 0         |         | 19.84  | 19.92  | 19.89   |           |         |
| 10                                                          | 25       | 12        |         | 19.87  | 19.88  | 19.87   |           |         |
| 10                                                          | 25       | 25        |         | 19.76  | 19.82  | 19.74   |           |         |
| 10                                                          | 50       | 0         |         | 19.85  | 19.88  | 19.86   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK    | 24.61  | 24.57  | 24.60   | 17.16     | 0.0520  |
| 5                                                           | 1        | 12        |         | 24.46  | 24.49  | 24.43   |           |         |
| 5                                                           | 1        | 24        |         | 24.56  | 24.53  | 24.52   |           |         |
| 5                                                           | 12       | 0         |         | 23.69  | 23.74  | 23.77   |           |         |
| 5                                                           | 12       | 7         |         | 23.71  | 23.72  | 23.64   |           |         |
| 5                                                           | 12       | 13        |         | 23.69  | 23.71  | 23.61   |           |         |
| 5                                                           | 25       | 0         |         | 23.77  | 23.80  | 23.73   |           |         |
| 5                                                           | 1        | 0         | 16-QAM  | 23.95  | 23.94  | 23.97   | 16.54     | 0.0451  |
| 5                                                           | 1        | 12        |         | 23.89  | 23.99  | 23.93   |           |         |
| 5                                                           | 1        | 24        |         | 23.91  | 23.94  | 23.87   |           |         |
| 5                                                           | 12       | 0         |         | 22.79  | 22.78  | 22.78   |           |         |
| 5                                                           | 12       | 7         |         | 22.76  | 22.82  | 22.80   |           |         |
| 5                                                           | 12       | 13        |         | 22.75  | 22.79  | 22.79   |           |         |
| 5                                                           | 25       | 0         |         | 22.81  | 22.80  | 22.80   |           |         |
| 5                                                           | 1        | 0         | 64-QAM  | 22.89  | 22.84  | 22.92   | 15.47     | 0.0352  |
| 5                                                           | 1        | 12        |         | 22.87  | 22.81  | 22.88   |           |         |
| 5                                                           | 1        | 24        |         | 22.92  | 22.86  | 22.83   |           |         |
| 5                                                           | 12       | 0         |         | 21.72  | 21.70  | 21.70   |           |         |
| 5                                                           | 12       | 7         |         | 21.76  | 21.76  | 21.73   |           |         |
| 5                                                           | 12       | 13        |         | 21.72  | 21.74  | 21.73   |           |         |
| 5                                                           | 25       | 0         |         | 21.77  | 21.77  | 21.79   |           |         |
| 5                                                           | 1        | 0         | 256-QAM | 19.93  | 20.08  | 19.98   | 12.63     | 0.0183  |
| 5                                                           | 1        | 12        |         | 19.95  | 20.00  | 19.99   |           |         |
| 5                                                           | 1        | 24        |         | 19.71  | 19.83  | 19.76   |           |         |
| 5                                                           | 12       | 0         |         | 19.84  | 19.84  | 19.87   |           |         |
| 5                                                           | 12       | 7         |         | 19.86  | 19.80  | 19.79   |           |         |
| 5                                                           | 12       | 13        |         | 19.72  | 19.82  | 19.71   |           |         |
| 5                                                           | 25       | 0         |         | 19.81  | 19.88  | 19.76   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK    | 24.56  | 24.62  | 24.57   | 17.17     | 0.0521  |
| 3                                                           | 1        | 8         |         | 24.44  | 24.50  | 24.44   |           |         |
| 3                                                           | 1        | 14        |         | 24.57  | 24.54  | 24.55   |           |         |
| 3                                                           | 8        | 0         |         | 23.78  | 23.71  | 23.69   |           |         |
| 3                                                           | 8        | 4         |         | 23.70  | 23.75  | 23.72   |           |         |
| 3                                                           | 8        | 7         |         | 23.62  | 23.71  | 23.63   |           |         |
| 3                                                           | 15       | 0         |         | 23.73  | 23.81  | 23.76   |           |         |
| 3                                                           | 1        | 0         | 16-QAM  | 24.02  | 24.02  | 24.03   | 16.58     | 0.0455  |
| 3                                                           | 1        | 8         |         | 23.94  | 23.93  | 23.97   |           |         |
| 3                                                           | 1        | 14        |         | 23.98  | 24.03  | 23.92   |           |         |
| 3                                                           | 8        | 0         |         | 22.80  | 22.78  | 22.75   |           |         |
| 3                                                           | 8        | 4         |         | 22.76  | 22.76  | 22.75   |           |         |
| 3                                                           | 8        | 7         |         | 22.76  | 22.80  | 22.77   |           |         |
| 3                                                           | 15       | 0         |         | 22.72  | 22.71  | 22.75   |           |         |
| 3                                                           | 1        | 0         | 64-QAM  | 22.84  | 22.86  | 22.77   | 15.46     | 0.0352  |
| 3                                                           | 1        | 8         |         | 22.74  | 22.79  | 22.76   |           |         |
| 3                                                           | 1        | 14        |         | 22.74  | 22.91  | 22.85   |           |         |
| 3                                                           | 8        | 0         |         | 21.70  | 21.72  | 21.74   |           |         |
| 3                                                           | 8        | 4         |         | 21.71  | 21.73  | 21.76   |           |         |
| 3                                                           | 8        | 7         |         | 21.70  | 21.71  | 21.78   |           |         |
| 3                                                           | 15       | 0         |         | 21.72  | 21.72  | 21.72   |           |         |
| 3                                                           | 1        | 0         | 256-QAM | 20.01  | 20.09  | 20.00   | 12.64     | 0.0184  |
| 3                                                           | 1        | 8         |         | 19.95  | 19.97  | 19.92   |           |         |
| 3                                                           | 1        | 14        |         | 19.79  | 19.79  | 19.74   |           |         |
| 3                                                           | 8        | 0         |         | 19.78  | 19.90  | 19.87   |           |         |
| 3                                                           | 8        | 4         |         | 19.87  | 19.84  | 19.80   |           |         |
| 3                                                           | 8        | 7         |         | 19.66  | 19.73  | 19.68   |           |         |
| 3                                                           | 15       | 0         |         | 19.80  | 19.85  | 19.76   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK    | 24.58  | 24.59  | 24.56   | 17.14     | 0.0518  |
| 1.4                                                         | 1        | 3         |         | 24.54  | 24.50  | 24.47   |           |         |
| 1.4                                                         | 1        | 5         |         | 24.52  | 24.52  | 24.44   |           |         |
| 1.4                                                         | 3        | 0         |         | 24.49  | 24.53  | 24.47   |           |         |
| 1.4                                                         | 3        | 1         |         | 24.45  | 24.42  | 24.41   |           |         |
| 1.4                                                         | 3        | 3         |         | 24.47  | 24.48  | 24.44   |           |         |
| 1.4                                                         | 6        | 0         |         | 23.68  | 23.69  | 23.62   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM  | 23.92  | 23.95  | 23.93   | 16.51     | 0.0448  |
| 1.4                                                         | 1        | 3         |         | 23.86  | 23.83  | 23.82   |           |         |
| 1.4                                                         | 1        | 5         |         | 23.88  | 23.96  | 23.81   |           |         |
| 1.4                                                         | 3        | 0         |         | 23.77  | 23.79  | 23.72   |           |         |
| 1.4                                                         | 3        | 1         |         | 23.72  | 23.78  | 23.69   |           |         |
| 1.4                                                         | 3        | 3         |         | 23.72  | 23.77  | 23.67   |           |         |
| 1.4                                                         | 6        | 0         |         | 22.72  | 22.73  | 22.69   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM  | 22.76  | 22.83  | 22.81   | 15.38     | 0.0345  |
| 1.4                                                         | 1        | 3         |         | 22.70  | 22.71  | 22.64   |           |         |
| 1.4                                                         | 1        | 5         |         | 22.73  | 22.81  | 22.75   |           |         |
| 1.4                                                         | 3        | 0         |         | 22.72  | 22.76  | 22.79   |           |         |
| 1.4                                                         | 3        | 1         |         | 22.78  | 22.77  | 22.76   |           |         |
| 1.4                                                         | 3        | 3         |         | 22.77  | 22.78  | 22.77   |           |         |
| 1.4                                                         | 6        | 0         |         | 21.63  | 21.63  | 21.63   |           |         |
| 1.4                                                         | 1        | 0         | 256-QAM | 20.00  | 20.05  | 20.05   | 12.60     | 0.0182  |
| 1.4                                                         | 1        | 3         |         | 19.91  | 19.90  | 19.92   |           |         |
| 1.4                                                         | 1        | 5         |         | 19.72  | 19.80  | 19.73   |           |         |
| 1.4                                                         | 3        | 0         |         | 19.80  | 19.83  | 19.79   |           |         |
| 1.4                                                         | 3        | 1         |         | 19.78  | 19.79  | 19.78   |           |         |
| 1.4                                                         | 3        | 3         |         | 19.70  | 19.72  | 19.70   |           |         |
| 1.4                                                         | 6        | 0         |         | 19.75  | 19.82  | 19.86   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK    | 24.65  | 24.68  | 24.64   | 17.23     | 0.0528  |
| 10                                                          | 1        | 25        |         | 24.62  | 24.56  | 24.61   |           |         |
| 10                                                          | 1        | 49        |         | 24.61  | 24.51  | 24.60   |           |         |
| 10                                                          | 25       | 0         |         | 23.89  | 23.91  | 23.90   |           |         |
| 10                                                          | 25       | 12        |         | 23.87  | 23.90  | 23.89   |           |         |
| 10                                                          | 25       | 25        |         | 23.82  | 23.85  | 23.83   |           |         |
| 10                                                          | 50       | 0         |         | 23.88  | 23.93  | 23.90   |           |         |
| 10                                                          | 1        | 0         | 16-QAM  | 24.05  | 23.98  | 24.05   | 16.61     | 0.0458  |
| 10                                                          | 1        | 25        |         | 24.06  | 24.01  | 24.06   |           |         |
| 10                                                          | 1        | 49        |         | 23.98  | 24.02  | 24.01   |           |         |
| 10                                                          | 25       | 0         |         | 22.91  | 22.89  | 22.90   |           |         |
| 10                                                          | 25       | 12        |         | 22.91  | 22.91  | 22.89   |           |         |
| 10                                                          | 25       | 25        |         | 22.91  | 22.91  | 22.91   |           |         |
| 10                                                          | 50       | 0         |         | 22.88  | 22.88  | 22.90   |           |         |
| 10                                                          | 1        | 0         | 64-QAM  | 22.92  | 22.87  | 22.86   | 15.57     | 0.0361  |
| 10                                                          | 1        | 25        |         | 22.81  | 22.88  | 22.90   |           |         |
| 10                                                          | 1        | 49        |         | 22.88  | 23.02  | 22.89   |           |         |
| 10                                                          | 25       | 0         |         | 21.88  | 21.89  | 21.89   |           |         |
| 10                                                          | 25       | 12        |         | 21.89  | 21.88  | 21.87   |           |         |
| 10                                                          | 25       | 25        |         | 21.89  | 21.89  | 21.89   |           |         |
| 10                                                          | 50       | 0         |         | 21.92  | 21.93  | 21.92   |           |         |
| 10                                                          | 1        | 0         | 256-QAM | 20.11  | 20.14  | 20.07   | 12.69     | 0.0186  |
| 10                                                          | 1        | 25        |         | 19.98  | 20.07  | 20.07   |           |         |
| 10                                                          | 1        | 49        |         | 20.01  | 20.04  | 20.03   |           |         |
| 10                                                          | 25       | 0         |         | 20.00  | 20.04  | 19.95   |           |         |
| 10                                                          | 25       | 12        |         | 19.96  | 19.96  | 19.91   |           |         |
| 10                                                          | 25       | 25        |         | 19.82  | 19.92  | 19.92   |           |         |
| 10                                                          | 50       | 0         |         | 19.95  | 19.99  | 19.97   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



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Report No. : FG451607F

| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK    | 24.63  | 24.66  | 24.63   | 17.21     | 0.0526  |
| 5                                                           | 1        | 12        |         | 24.52  | 24.52  | 24.55   |           |         |
| 5                                                           | 1        | 24        |         | 24.59  | 24.44  | 24.58   |           |         |
| 5                                                           | 12       | 0         |         | 23.80  | 23.87  | 23.83   |           |         |
| 5                                                           | 12       | 7         |         | 23.79  | 23.89  | 23.85   |           |         |
| 5                                                           | 12       | 13        |         | 23.81  | 23.82  | 23.74   |           |         |
| 5                                                           | 25       | 0         |         | 23.91  | 23.89  | 23.88   |           |         |
| 5                                                           | 1        | 0         | 16-QAM  | 24.09  | 24.10  | 24.06   | 16.66     | 0.0463  |
| 5                                                           | 1        | 12        |         | 24.08  | 24.01  | 24.11   |           |         |
| 5                                                           | 1        | 24        |         | 24.03  | 23.99  | 24.00   |           |         |
| 5                                                           | 12       | 0         |         | 22.84  | 22.84  | 22.86   |           |         |
| 5                                                           | 12       | 7         |         | 22.88  | 22.86  | 22.88   |           |         |
| 5                                                           | 12       | 13        |         | 22.86  | 22.85  | 22.86   |           |         |
| 5                                                           | 25       | 0         |         | 22.91  | 22.88  | 22.90   |           |         |
| 5                                                           | 1        | 0         | 64-QAM  | 22.98  | 22.92  | 22.91   | 15.53     | 0.0357  |
| 5                                                           | 1        | 12        |         | 22.93  | 22.95  | 22.95   |           |         |
| 5                                                           | 1        | 24        |         | 22.95  | 22.95  | 22.90   |           |         |
| 5                                                           | 12       | 0         |         | 21.77  | 21.78  | 21.79   |           |         |
| 5                                                           | 12       | 7         |         | 21.82  | 21.82  | 21.83   |           |         |
| 5                                                           | 12       | 13        |         | 21.81  | 21.79  | 21.82   |           |         |
| 5                                                           | 25       | 0         |         | 21.85  | 21.88  | 21.91   |           |         |
| 5                                                           | 1        | 0         | 256-QAM | 20.09  | 20.12  | 19.99   | 12.67     | 0.0185  |
| 5                                                           | 1        | 12        |         | 19.93  | 20.00  | 20.06   |           |         |
| 5                                                           | 1        | 24        |         | 19.91  | 19.95  | 20.03   |           |         |
| 5                                                           | 12       | 0         |         | 19.92  | 20.02  | 19.95   |           |         |
| 5                                                           | 12       | 7         |         | 19.94  | 19.87  | 19.86   |           |         |
| 5                                                           | 12       | 13        |         | 19.73  | 19.83  | 19.88   |           |         |
| 5                                                           | 25       | 0         |         | 19.94  | 19.95  | 19.95   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                          | 1        | 0         | QPSK    | 24.67  | 24.83  | 24.63   | 20.08     | 0.1019  |
| 15                                                          | 1        | 37        |         | 24.51  | 24.45  | 24.45   |           |         |
| 15                                                          | 1        | 74        |         | 24.56  | 24.45  | 24.47   |           |         |
| 15                                                          | 36       | 0         |         | 23.77  | 23.81  | 23.72   |           |         |
| 15                                                          | 36       | 20        |         | 23.72  | 23.61  | 23.68   |           |         |
| 15                                                          | 36       | 39        |         | 23.71  | 23.84  | 23.65   |           |         |
| 15                                                          | 75       | 0         |         | 23.78  | 23.67  | 23.71   |           |         |
| 15                                                          | 1        | 0         | 16-QAM  | 24.08  | 23.78  | 24.06   | 19.33     | 0.0857  |
| 15                                                          | 1        | 37        |         | 23.92  | 23.74  | 24.02   |           |         |
| 15                                                          | 1        | 74        |         | 23.87  | 23.82  | 23.77   |           |         |
| 15                                                          | 36       | 0         |         | 22.76  | 22.57  | 22.75   |           |         |
| 15                                                          | 36       | 20        |         | 22.73  | 22.65  | 22.69   |           |         |
| 15                                                          | 36       | 39        |         | 22.71  | 22.83  | 22.66   |           |         |
| 15                                                          | 75       | 0         |         | 22.76  | 22.76  | 22.72   |           |         |
| 15                                                          | 1        | 0         | 64-QAM  | 22.86  | 22.96  | 23.04   | 18.29     | 0.0675  |
| 15                                                          | 1        | 37        |         | 22.90  | 22.85  | 22.84   |           |         |
| 15                                                          | 1        | 74        |         | 22.69  | 22.76  | 22.62   |           |         |
| 15                                                          | 36       | 0         |         | 21.81  | 21.77  | 21.82   |           |         |
| 15                                                          | 36       | 20        |         | 21.75  | 21.90  | 21.76   |           |         |
| 15                                                          | 36       | 39        |         | 21.72  | 21.66  | 21.73   |           |         |
| 15                                                          | 75       | 0         |         | 21.71  | 21.63  | 21.69   |           |         |
| 15                                                          | 1        | 0         | 256-QAM | 20.12  | 20.03  | 20.10   | 15.41     | 0.0348  |
| 15                                                          | 1        | 37        |         | 20.02  | 20.10  | 19.96   |           |         |
| 15                                                          | 1        | 74        |         | 20.01  | 20.16  | 19.98   |           |         |
| 15                                                          | 36       | 0         |         | 19.99  | 19.97  | 19.98   |           |         |
| 15                                                          | 36       | 20        |         | 19.80  | 19.55  | 19.73   |           |         |
| 15                                                          | 36       | 39        |         | 19.73  | 19.76  | 19.63   |           |         |
| 15                                                          | 75       | 0         |         | 19.94  | 19.99  | 19.84   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK    | 24.72  | 24.72  | 24.60   | 19.97     | 0.0993  |
| 10                                                          | 1        | 25        |         | 24.35  | 24.46  | 24.42   |           |         |
| 10                                                          | 1        | 49        |         | 24.47  | 24.61  | 24.45   |           |         |
| 10                                                          | 25       | 0         |         | 23.81  | 23.80  | 23.71   |           |         |
| 10                                                          | 25       | 12        |         | 23.79  | 23.70  | 23.70   |           |         |
| 10                                                          | 25       | 25        |         | 23.68  | 23.76  | 23.65   |           |         |
| 10                                                          | 50       | 0         |         | 23.77  | 23.78  | 23.70   |           |         |
| 10                                                          | 1        | 0         | 16-QAM  | 23.89  | 23.98  | 24.00   | 19.25     | 0.0841  |
| 10                                                          | 1        | 25        |         | 23.85  | 23.83  | 23.90   |           |         |
| 10                                                          | 1        | 49        |         | 23.88  | 23.89  | 23.80   |           |         |
| 10                                                          | 25       | 0         |         | 22.79  | 22.89  | 22.73   |           |         |
| 10                                                          | 25       | 12        |         | 22.66  | 22.80  | 22.70   |           |         |
| 10                                                          | 25       | 25        |         | 22.71  | 22.79  | 22.69   |           |         |
| 10                                                          | 50       | 0         |         | 22.67  | 22.82  | 22.72   |           |         |
| 10                                                          | 1        | 0         | 64-QAM  | 22.70  | 22.78  | 22.89   | 18.14     | 0.0652  |
| 10                                                          | 1        | 25        |         | 22.81  | 22.77  | 22.81   |           |         |
| 10                                                          | 1        | 49        |         | 22.69  | 22.79  | 22.65   |           |         |
| 10                                                          | 25       | 0         |         | 21.75  | 21.73  | 21.71   |           |         |
| 10                                                          | 25       | 12        |         | 21.75  | 21.78  | 21.69   |           |         |
| 10                                                          | 25       | 25        |         | 21.70  | 21.76  | 21.63   |           |         |
| 10                                                          | 50       | 0         |         | 21.67  | 21.83  | 21.72   |           |         |
| 10                                                          | 1        | 0         | 256-QAM | 19.94  | 20.01  | 20.01   | 15.26     | 0.0336  |
| 10                                                          | 1        | 25        |         | 19.84  | 20.00  | 19.86   |           |         |
| 10                                                          | 1        | 49        |         | 19.90  | 19.99  | 19.89   |           |         |
| 10                                                          | 25       | 0         |         | 19.85  | 19.96  | 19.96   |           |         |
| 10                                                          | 25       | 12        |         | 19.63  | 19.76  | 19.72   |           |         |
| 10                                                          | 25       | 25        |         | 19.54  | 19.59  | 19.58   |           |         |
| 10                                                          | 50       | 0         |         | 19.81  | 19.82  | 19.81   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK    | 24.59  | 24.70  | 24.54   | 19.95     | 0.0989  |
| 5                                                           | 1        | 12        |         | 24.45  | 24.60  | 24.36   |           |         |
| 5                                                           | 1        | 24        |         | 24.52  | 24.57  | 24.37   |           |         |
| 5                                                           | 12       | 0         |         | 23.79  | 23.78  | 23.66   |           |         |
| 5                                                           | 12       | 7         |         | 23.65  | 23.67  | 23.66   |           |         |
| 5                                                           | 12       | 13        |         | 23.59  | 23.75  | 23.59   |           |         |
| 5                                                           | 25       | 0         |         | 23.70  | 23.63  | 23.65   |           |         |
| 5                                                           | 1        | 0         | 16-QAM  | 24.02  | 24.03  | 23.93   | 19.28     | 0.0847  |
| 5                                                           | 1        | 12        |         | 24.01  | 23.95  | 23.84   |           |         |
| 5                                                           | 1        | 24        |         | 23.99  | 23.96  | 23.81   |           |         |
| 5                                                           | 12       | 0         |         | 22.82  | 22.69  | 22.66   |           |         |
| 5                                                           | 12       | 7         |         | 22.72  | 22.65  | 22.66   |           |         |
| 5                                                           | 12       | 13        |         | 22.67  | 22.80  | 22.61   |           |         |
| 5                                                           | 25       | 0         |         | 22.76  | 22.69  | 22.67   |           |         |
| 5                                                           | 1        | 0         | 64-QAM  | 22.78  | 22.82  | 22.84   | 18.21     | 0.0662  |
| 5                                                           | 1        | 12        |         | 22.96  | 22.90  | 22.75   |           |         |
| 5                                                           | 1        | 24        |         | 22.75  | 22.76  | 22.63   |           |         |
| 5                                                           | 12       | 0         |         | 21.82  | 21.73  | 21.67   |           |         |
| 5                                                           | 12       | 7         |         | 21.67  | 21.78  | 21.67   |           |         |
| 5                                                           | 12       | 13        |         | 21.82  | 21.70  | 21.65   |           |         |
| 5                                                           | 25       | 0         |         | 21.69  | 21.70  | 21.63   |           |         |
| 5                                                           | 1        | 0         | 256-QAM | 20.14  | 20.07  | 20.07   | 15.39     | 0.0346  |
| 5                                                           | 1        | 12        |         | 20.00  | 19.89  | 19.86   |           |         |
| 5                                                           | 1        | 24        |         | 20.05  | 20.08  | 19.89   |           |         |
| 5                                                           | 12       | 0         |         | 19.83  | 19.95  | 19.98   |           |         |
| 5                                                           | 12       | 7         |         | 19.74  | 19.70  | 19.73   |           |         |
| 5                                                           | 12       | 13        |         | 19.70  | 19.77  | 19.57   |           |         |
| 5                                                           | 25       | 0         |         | 19.85  | 19.81  | 19.78   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK    | 24.53  | 24.58  | 24.57   | 19.83     | 0.0962  |
| 3                                                           | 1        | 8         |         | 24.41  | 24.45  | 24.40   |           |         |
| 3                                                           | 1        | 14        |         | 24.41  | 24.46  | 24.40   |           |         |
| 3                                                           | 8        | 0         |         | 23.57  | 23.61  | 23.64   |           |         |
| 3                                                           | 8        | 4         |         | 23.68  | 23.63  | 23.62   |           |         |
| 3                                                           | 8        | 7         |         | 23.69  | 23.58  | 23.56   |           |         |
| 3                                                           | 15       | 0         |         | 23.59  | 23.70  | 23.69   |           |         |
| 3                                                           | 1        | 0         | 16-QAM  | 23.98  | 23.94  | 23.88   | 19.23     | 0.0838  |
| 3                                                           | 1        | 8         |         | 23.88  | 23.77  | 23.76   |           |         |
| 3                                                           | 1        | 14        |         | 23.94  | 23.90  | 23.83   |           |         |
| 3                                                           | 8        | 0         |         | 22.63  | 22.69  | 22.60   |           |         |
| 3                                                           | 8        | 4         |         | 22.64  | 22.70  | 22.55   |           |         |
| 3                                                           | 8        | 7         |         | 22.59  | 22.83  | 22.60   |           |         |
| 3                                                           | 15       | 0         |         | 22.66  | 22.64  | 22.56   |           |         |
| 3                                                           | 1        | 0         | 64-QAM  | 22.84  | 22.69  | 22.65   | 18.09     | 0.0644  |
| 3                                                           | 1        | 8         |         | 22.71  | 22.78  | 22.59   |           |         |
| 3                                                           | 1        | 14        |         | 22.80  | 22.69  | 22.58   |           |         |
| 3                                                           | 8        | 0         |         | 21.75  | 21.75  | 21.65   |           |         |
| 3                                                           | 8        | 4         |         | 21.62  | 21.85  | 21.63   |           |         |
| 3                                                           | 8        | 7         |         | 21.69  | 21.77  | 21.66   |           |         |
| 3                                                           | 15       | 0         |         | 21.75  | 21.78  | 21.64   |           |         |
| 3                                                           | 1        | 0         | 256-QAM | 20.04  | 20.01  | 20.07   | 15.32     | 0.0340  |
| 3                                                           | 1        | 8         |         | 19.98  | 19.93  | 19.93   |           |         |
| 3                                                           | 1        | 14        |         | 19.83  | 20.04  | 19.97   |           |         |
| 3                                                           | 8        | 0         |         | 20.01  | 19.92  | 19.93   |           |         |
| 3                                                           | 8        | 4         |         | 19.65  | 19.84  | 19.67   |           |         |
| 3                                                           | 8        | 7         |         | 19.52  | 19.62  | 19.62   |           |         |
| 3                                                           | 15       | 0         |         | 19.84  | 19.99  | 19.79   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK    | 24.57  | 24.60  | 24.56   | 19.92     | 0.0982  |
| 1.4                                                         | 1        | 3         |         | 24.58  | 24.60  | 24.47   |           |         |
| 1.4                                                         | 1        | 5         |         | 24.46  | 24.67  | 24.52   |           |         |
| 1.4                                                         | 3        | 0         |         | 24.45  | 24.46  | 24.46   |           |         |
| 1.4                                                         | 3        | 1         |         | 24.41  | 24.39  | 24.40   |           |         |
| 1.4                                                         | 3        | 3         |         | 24.44  | 24.38  | 24.44   |           |         |
| 1.4                                                         | 6        | 0         |         | 23.55  | 23.69  | 23.53   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM  | 23.74  | 23.95  | 23.77   | 19.20     | 0.0832  |
| 1.4                                                         | 1        | 3         |         | 23.63  | 23.82  | 23.63   |           |         |
| 1.4                                                         | 1        | 5         |         | 23.78  | 23.91  | 23.71   |           |         |
| 1.4                                                         | 3        | 0         |         | 23.67  | 23.82  | 23.63   |           |         |
| 1.4                                                         | 3        | 1         |         | 23.74  | 23.67  | 23.54   |           |         |
| 1.4                                                         | 3        | 3         |         | 23.67  | 23.62  | 23.58   |           |         |
| 1.4                                                         | 6        | 0         |         | 22.71  | 22.66  | 22.62   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM  | 22.77  | 22.84  | 22.65   | 18.09     | 0.0644  |
| 1.4                                                         | 1        | 3         |         | 22.67  | 22.73  | 22.56   |           |         |
| 1.4                                                         | 1        | 5         |         | 22.62  | 22.67  | 22.62   |           |         |
| 1.4                                                         | 3        | 0         |         | 22.73  | 22.84  | 22.61   |           |         |
| 1.4                                                         | 3        | 1         |         | 22.75  | 22.77  | 22.59   |           |         |
| 1.4                                                         | 3        | 3         |         | 22.68  | 22.68  | 22.63   |           |         |
| 1.4                                                         | 6        | 0         |         | 21.67  | 21.75  | 21.60   |           |         |
| 1.4                                                         | 1        | 0         | 256-QAM | 20.05  | 20.11  | 20.01   | 15.36     | 0.0344  |
| 1.4                                                         | 1        | 3         |         | 19.96  | 20.03  | 19.94   |           |         |
| 1.4                                                         | 1        | 5         |         | 19.86  | 20.01  | 19.93   |           |         |
| 1.4                                                         | 3        | 0         |         | 19.82  | 19.85  | 19.95   |           |         |
| 1.4                                                         | 3        | 1         |         | 19.72  | 19.66  | 19.64   |           |         |
| 1.4                                                         | 3        | 3         |         | 19.65  | 19.78  | 19.60   |           |         |
| 1.4                                                         | 6        | 0         |         | 19.82  | 19.82  | 19.79   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                          | 1          | 0         | QPSK    | 24.35  | 24.38  | 24.36   | 23.88      | 0.2443   |
| 20                                                          | 1          | 49        |         | 24.30  | 24.35  | 24.33   |            |          |
| 20                                                          | 1          | 99        |         | 24.21  | 24.34  | 24.32   |            |          |
| 20                                                          | 50         | 0         |         | 23.37  | 23.39  | 23.38   |            |          |
| 20                                                          | 50         | 24        |         | 23.34  | 23.38  | 23.35   |            |          |
| 20                                                          | 50         | 50        |         | 23.33  | 23.36  | 23.34   |            |          |
| 20                                                          | 100        | 0         |         | 23.34  | 23.36  | 23.35   |            |          |
| 20                                                          | 1          | 0         | 16-QAM  | 23.43  | 23.35  | 23.49   | 23.08      | 0.2032   |
| 20                                                          | 1          | 49        |         | 23.50  | 23.41  | 23.58   |            |          |
| 20                                                          | 1          | 99        |         | 23.52  | 23.37  | 23.44   |            |          |
| 20                                                          | 50         | 0         |         | 22.44  | 22.40  | 22.40   |            |          |
| 20                                                          | 50         | 24        |         | 22.45  | 22.40  | 22.37   |            |          |
| 20                                                          | 50         | 50        |         | 22.44  | 22.41  | 22.38   |            |          |
| 20                                                          | 100        | 0         |         | 22.43  | 22.38  | 22.42   |            |          |
| 20                                                          | 1          | 0         | 64-QAM  | 22.23  | 22.23  | 22.26   | 21.79      | 0.1510   |
| 20                                                          | 1          | 49        |         | 22.29  | 22.23  | 22.27   |            |          |
| 20                                                          | 1          | 99        |         | 22.26  | 22.23  | 22.18   |            |          |
| 20                                                          | 50         | 0         |         | 21.49  | 21.41  | 21.42   |            |          |
| 20                                                          | 50         | 24        |         | 21.50  | 21.41  | 21.41   |            |          |
| 20                                                          | 50         | 50        |         | 21.47  | 21.39  | 21.39   |            |          |
| 20                                                          | 100        | 0         |         | 21.45  | 21.39  | 21.38   |            |          |
| 20                                                          | 1          | 0         | 256-QAM | 19.53  | 19.56  | 19.53   | 19.08      | 0.0809   |
| 20                                                          | 1          | 49        |         | 19.24  | 19.29  | 19.29   |            |          |
| 20                                                          | 1          | 99        |         | 19.19  | 19.23  | 19.19   |            |          |
| 20                                                          | 50         | 0         |         | 19.52  | 19.58  | 19.55   |            |          |
| 20                                                          | 50         | 24        |         | 19.46  | 19.55  | 19.48   |            |          |
| 20                                                          | 50         | 50        |         | 19.40  | 19.47  | 19.40   |            |          |
| 20                                                          | 100        | 0         |         | 19.49  | 19.49  | 19.44   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                          | 1          | 0         | QPSK    | 24.34  | 24.37  | 24.35   | 23.87      | 0.2438   |
| 15                                                          | 1          | 37        |         | 24.32  | 24.30  | 24.31   |            |          |
| 15                                                          | 1          | 74        |         | 24.33  | 24.36  | 24.34   |            |          |
| 15                                                          | 36         | 0         |         | 23.36  | 23.38  | 23.37   |            |          |
| 15                                                          | 36         | 20        |         | 23.35  | 23.37  | 23.34   |            |          |
| 15                                                          | 36         | 39        |         | 23.32  | 23.35  | 23.33   |            |          |
| 15                                                          | 75         | 0         |         | 23.28  | 23.32  | 23.26   |            |          |
| 15                                                          | 1          | 0         | 16-QAM  | 23.65  | 23.51  | 23.40   | 23.15      | 0.2065   |
| 15                                                          | 1          | 37        |         | 23.64  | 23.64  | 23.52   |            |          |
| 15                                                          | 1          | 74        |         | 23.64  | 23.51  | 23.39   |            |          |
| 15                                                          | 36         | 0         |         | 22.46  | 22.36  | 22.37   |            |          |
| 15                                                          | 36         | 20        |         | 22.46  | 22.38  | 22.39   |            |          |
| 15                                                          | 36         | 39        |         | 22.45  | 22.40  | 22.37   |            |          |
| 15                                                          | 75         | 0         |         | 22.46  | 22.39  | 22.41   |            |          |
| 15                                                          | 1          | 0         | 64-QAM  | 22.39  | 22.25  | 22.25   | 21.94      | 0.1563   |
| 15                                                          | 1          | 37        |         | 22.44  | 22.41  | 22.36   |            |          |
| 15                                                          | 1          | 74        |         | 22.44  | 22.29  | 22.20   |            |          |
| 15                                                          | 36         | 0         |         | 21.50  | 21.46  | 21.42   |            |          |
| 15                                                          | 36         | 20        |         | 21.52  | 21.47  | 21.44   |            |          |
| 15                                                          | 36         | 39        |         | 21.52  | 21.47  | 21.44   |            |          |
| 15                                                          | 75         | 0         |         | 21.45  | 21.38  | 21.38   |            |          |
| 15                                                          | 1          | 0         | 256-QAM | 19.46  | 19.56  | 19.49   | 19.06      | 0.0805   |
| 15                                                          | 1          | 37        |         | 19.16  | 19.23  | 19.23   |            |          |
| 15                                                          | 1          | 74        |         | 19.12  | 19.15  | 19.18   |            |          |
| 15                                                          | 36         | 0         |         | 19.52  | 19.53  | 19.46   |            |          |
| 15                                                          | 36         | 20        |         | 19.37  | 19.50  | 19.46   |            |          |
| 15                                                          | 36         | 39        |         | 19.38  | 19.37  | 19.39   |            |          |
| 15                                                          | 75         | 0         |         | 19.46  | 19.45  | 19.35   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                          | 1          | 0         | QPSK    | 24.33  | 24.34  | 24.32   | 23.84      | 0.2421   |
| 10                                                          | 1          | 25        |         | 24.32  | 24.29  | 24.26   |            |          |
| 10                                                          | 1          | 49        |         | 24.31  | 24.30  | 24.31   |            |          |
| 10                                                          | 25         | 0         |         | 23.29  | 23.31  | 23.28   |            |          |
| 10                                                          | 25         | 12        |         | 23.28  | 23.29  | 23.27   |            |          |
| 10                                                          | 25         | 25        |         | 23.27  | 23.25  | 23.22   |            |          |
| 10                                                          | 50         | 0         |         | 23.30  | 23.33  | 23.32   |            |          |
| 10                                                          | 1          | 0         | 16-QAM  | 23.59  | 23.50  | 23.50   | 23.09      | 0.2037   |
| 10                                                          | 1          | 25        |         | 23.51  | 23.49  | 23.40   |            |          |
| 10                                                          | 1          | 49        |         | 23.59  | 23.54  | 23.40   |            |          |
| 10                                                          | 25         | 0         |         | 22.53  | 22.44  | 22.44   |            |          |
| 10                                                          | 25         | 12        |         | 22.49  | 22.47  | 22.45   |            |          |
| 10                                                          | 25         | 25        |         | 22.56  | 22.48  | 22.49   |            |          |
| 10                                                          | 50         | 0         |         | 22.51  | 22.43  | 22.42   |            |          |
| 10                                                          | 1          | 0         | 64-QAM  | 22.37  | 22.29  | 22.22   | 21.96      | 0.1570   |
| 10                                                          | 1          | 25        |         | 22.28  | 22.19  | 22.15   |            |          |
| 10                                                          | 1          | 49        |         | 22.46  | 22.35  | 22.22   |            |          |
| 10                                                          | 25         | 0         |         | 21.51  | 21.42  | 21.39   |            |          |
| 10                                                          | 25         | 12        |         | 21.53  | 21.42  | 21.42   |            |          |
| 10                                                          | 25         | 25        |         | 21.52  | 21.44  | 21.46   |            |          |
| 10                                                          | 50         | 0         |         | 21.50  | 21.44  | 21.43   |            |          |
| 10                                                          | 1          | 0         | 256-QAM | 19.52  | 19.46  | 19.51   | 19.02      | 0.0798   |
| 10                                                          | 1          | 25        |         | 19.21  | 19.21  | 19.23   |            |          |
| 10                                                          | 1          | 49        |         | 19.10  | 19.20  | 19.19   |            |          |
| 10                                                          | 25         | 0         |         | 19.43  | 19.52  | 19.47   |            |          |
| 10                                                          | 25         | 12        |         | 19.46  | 19.45  | 19.40   |            |          |
| 10                                                          | 25         | 25        |         | 19.37  | 19.45  | 19.39   |            |          |
| 10                                                          | 50         | 0         |         | 19.43  | 19.41  | 19.34   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                           | 1          | 0         | QPSK    | 24.32  | 24.37  | 24.30   | 23.87      | 0.2438   |
| 5                                                           | 1          | 12        |         | 24.28  | 24.35  | 24.23   |            |          |
| 5                                                           | 1          | 24        |         | 24.26  | 24.32  | 24.20   |            |          |
| 5                                                           | 12         | 0         |         | 23.37  | 23.36  | 23.30   |            |          |
| 5                                                           | 12         | 7         |         | 23.29  | 23.37  | 23.30   |            |          |
| 5                                                           | 12         | 13        |         | 23.30  | 23.30  | 23.21   |            |          |
| 5                                                           | 25         | 0         |         | 23.27  | 23.20  | 23.29   |            |          |
| 5                                                           | 1          | 0         | 16-QAM  | 23.59  | 23.60  | 23.53   | 23.24      | 0.2109   |
| 5                                                           | 1          | 12        |         | 23.74  | 23.63  | 23.68   |            |          |
| 5                                                           | 1          | 24        |         | 23.62  | 23.57  | 23.55   |            |          |
| 5                                                           | 12         | 0         |         | 22.46  | 22.37  | 22.35   |            |          |
| 5                                                           | 12         | 7         |         | 22.43  | 22.36  | 22.32   |            |          |
| 5                                                           | 12         | 13        |         | 22.45  | 22.37  | 22.36   |            |          |
| 5                                                           | 25         | 0         |         | 22.51  | 22.47  | 22.44   |            |          |
| 5                                                           | 1          | 0         | 64-QAM  | 22.32  | 22.39  | 22.14   | 22.00      | 0.1585   |
| 5                                                           | 1          | 12        |         | 22.50  | 22.49  | 22.31   |            |          |
| 5                                                           | 1          | 24        |         | 22.38  | 22.34  | 22.20   |            |          |
| 5                                                           | 12         | 0         |         | 21.48  | 21.42  | 21.39   |            |          |
| 5                                                           | 12         | 7         |         | 21.54  | 21.41  | 21.39   |            |          |
| 5                                                           | 12         | 13        |         | 21.49  | 21.45  | 21.37   |            |          |
| 5                                                           | 25         | 0         |         | 21.50  | 21.40  | 21.37   |            |          |
| 5                                                           | 1          | 0         | 256-QAM | 19.46  | 19.52  | 19.44   | 19.08      | 0.0809   |
| 5                                                           | 1          | 12        |         | 19.16  | 19.20  | 19.21   |            |          |
| 5                                                           | 1          | 24        |         | 19.12  | 19.18  | 19.18   |            |          |
| 5                                                           | 12         | 0         |         | 19.46  | 19.58  | 19.50   |            |          |
| 5                                                           | 12         | 7         |         | 19.41  | 19.49  | 19.48   |            |          |
| 5                                                           | 12         | 13        |         | 19.35  | 19.43  | 19.40   |            |          |
| 5                                                           | 25         | 0         |         | 19.40  | 19.48  | 19.37   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                                | 1          | 0         | QPSK    | 26.16  | 26.17  | 26.16   | 25.67      | 0.3690   |
| 20                                                                | 1          | 49        |         | 26.15  | 26.14  | 26.15   |            |          |
| 20                                                                | 1          | 99        |         | 26.05  | 26.02  | 26.04   |            |          |
| 20                                                                | 50         | 0         |         | 25.16  | 25.18  | 25.12   |            |          |
| 20                                                                | 50         | 24        |         | 25.11  | 25.08  | 25.08   |            |          |
| 20                                                                | 50         | 50        |         | 25.10  | 25.06  | 25.11   |            |          |
| 20                                                                | 100        | 0         |         | 25.09  | 25.10  | 25.07   |            |          |
| 20                                                                | 1          | 0         | 16-QAM  | 25.45  | 25.35  | 25.47   | 25.29      | 0.3381   |
| 20                                                                | 1          | 49        |         | 25.65  | 25.79  | 25.78   |            |          |
| 20                                                                | 1          | 99        |         | 25.54  | 25.53  | 25.48   |            |          |
| 20                                                                | 50         | 0         |         | 24.11  | 24.08  | 24.06   |            |          |
| 20                                                                | 50         | 24        |         | 24.13  | 24.08  | 24.07   |            |          |
| 20                                                                | 50         | 50        |         | 24.11  | 24.05  | 24.10   |            |          |
| 20                                                                | 100        | 0         |         | 24.16  | 24.10  | 24.12   |            |          |
| 20                                                                | 1          | 0         | 64-QAM  | 24.13  | 24.15  | 24.15   | 24.04      | 0.2535   |
| 20                                                                | 1          | 49        |         | 24.54  | 24.51  | 24.50   |            |          |
| 20                                                                | 1          | 99        |         | 24.45  | 24.44  | 24.35   |            |          |
| 20                                                                | 50         | 0         |         | 23.14  | 23.10  | 23.12   |            |          |
| 20                                                                | 50         | 24        |         | 23.16  | 23.09  | 23.08   |            |          |
| 20                                                                | 50         | 50        |         | 23.14  | 23.09  | 23.12   |            |          |
| 20                                                                | 100        | 0         |         | 23.17  | 23.10  | 23.10   |            |          |
| 20                                                                | 1          | 0         | 256-QAM | 21.30  | 21.39  | 21.33   | 20.89      | 0.1227   |
| 20                                                                | 1          | 49        |         | 21.14  | 21.19  | 21.09   |            |          |
| 20                                                                | 1          | 99        |         | 21.00  | 21.04  | 21.01   |            |          |
| 20                                                                | 50         | 0         |         | 21.38  | 21.39  | 21.36   |            |          |
| 20                                                                | 50         | 24        |         | 21.32  | 21.35  | 21.30   |            |          |
| 20                                                                | 50         | 50        |         | 21.23  | 21.29  | 21.21   |            |          |
| 20                                                                | 100        | 0         |         | 21.26  | 21.29  | 21.25   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                                | 1          | 0         | QPSK    | 26.01  | 25.94  | 25.97   | 25.61      | 0.3639   |
| 15                                                                | 1          | 37        |         | 26.09  | 26.08  | 26.11   |            |          |
| 15                                                                | 1          | 74        |         | 26.01  | 25.91  | 26.01   |            |          |
| 15                                                                | 36         | 0         |         | 25.05  | 25.02  | 25.03   |            |          |
| 15                                                                | 36         | 20        |         | 25.05  | 24.99  | 25.06   |            |          |
| 15                                                                | 36         | 39        |         | 25.05  | 25.00  | 25.04   |            |          |
| 15                                                                | 75         | 0         |         | 25.06  | 24.99  | 25.04   |            |          |
| 15                                                                | 1          | 0         | 16-QAM  | 25.35  | 25.10  | 25.31   | 25.06      | 0.3206   |
| 15                                                                | 1          | 37        |         | 25.56  | 25.25  | 25.46   |            |          |
| 15                                                                | 1          | 74        |         | 25.37  | 25.14  | 25.28   |            |          |
| 15                                                                | 36         | 0         |         | 24.01  | 23.97  | 23.97   |            |          |
| 15                                                                | 36         | 20        |         | 24.03  | 24.00  | 23.99   |            |          |
| 15                                                                | 36         | 39        |         | 24.04  | 24.02  | 24.00   |            |          |
| 15                                                                | 75         | 0         |         | 24.09  | 24.03  | 24.03   |            |          |
| 15                                                                | 1          | 0         | 64-QAM  | 24.15  | 24.19  | 24.21   | 23.71      | 0.2350   |
| 15                                                                | 1          | 37        |         | 24.14  | 24.06  | 23.98   |            |          |
| 15                                                                | 1          | 74        |         | 24.11  | 24.10  | 24.00   |            |          |
| 15                                                                | 36         | 0         |         | 23.14  | 23.04  | 23.06   |            |          |
| 15                                                                | 36         | 20        |         | 23.16  | 23.08  | 23.07   |            |          |
| 15                                                                | 36         | 39        |         | 23.14  | 23.11  | 23.09   |            |          |
| 15                                                                | 75         | 0         |         | 23.08  | 23.04  | 23.07   |            |          |
| 15                                                                | 1          | 0         | 256-QAM | 21.25  | 21.32  | 21.29   | 20.86      | 0.1219   |
| 15                                                                | 1          | 37        |         | 21.14  | 21.09  | 21.08   |            |          |
| 15                                                                | 1          | 74        |         | 20.94  | 21.01  | 20.93   |            |          |
| 15                                                                | 36         | 0         |         | 21.36  | 21.33  | 21.28   |            |          |
| 15                                                                | 36         | 20        |         | 21.30  | 21.26  | 21.20   |            |          |
| 15                                                                | 36         | 39        |         | 21.14  | 21.24  | 21.21   |            |          |
| 15                                                                | 75         | 0         |         | 21.22  | 21.21  | 21.20   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                                | 1          | 0         | QPSK    | 26.10  | 26.06  | 26.12   | 25.65      | 0.3673   |
| 10                                                                | 1          | 25        |         | 26.03  | 26.03  | 26.03   |            |          |
| 10                                                                | 1          | 49        |         | 26.13  | 26.12  | 26.15   |            |          |
| 10                                                                | 25         | 0         |         | 25.15  | 25.15  | 25.16   |            |          |
| 10                                                                | 25         | 12        |         | 25.17  | 25.14  | 25.16   |            |          |
| 10                                                                | 25         | 25        |         | 25.16  | 25.13  | 25.15   |            |          |
| 10                                                                | 50         | 0         |         | 25.19  | 25.17  | 25.18   |            |          |
| 10                                                                | 1          | 0         | 16-QAM  | 25.38  | 25.49  | 25.31   | 24.99      | 0.3155   |
| 10                                                                | 1          | 25        |         | 25.34  | 25.30  | 25.30   |            |          |
| 10                                                                | 1          | 49        |         | 25.35  | 25.32  | 25.40   |            |          |
| 10                                                                | 25         | 0         |         | 24.21  | 24.25  | 24.25   |            |          |
| 10                                                                | 25         | 12        |         | 24.26  | 24.21  | 24.24   |            |          |
| 10                                                                | 25         | 25        |         | 24.28  | 24.25  | 24.26   |            |          |
| 10                                                                | 50         | 0         |         | 24.25  | 24.23  | 24.24   |            |          |
| 10                                                                | 1          | 0         | 64-QAM  | 24.59  | 24.47  | 24.54   | 24.28      | 0.2679   |
| 10                                                                | 1          | 25        |         | 24.69  | 24.67  | 24.41   |            |          |
| 10                                                                | 1          | 49        |         | 24.78  | 24.72  | 24.42   |            |          |
| 10                                                                | 25         | 0         |         | 23.23  | 23.21  | 23.25   |            |          |
| 10                                                                | 25         | 12        |         | 23.31  | 23.23  | 23.23   |            |          |
| 10                                                                | 25         | 25        |         | 23.31  | 23.24  | 23.22   |            |          |
| 10                                                                | 50         | 0         |         | 23.22  | 23.17  | 23.24   |            |          |
| 10                                                                | 1          | 0         | 256-QAM | 21.21  | 21.33  | 21.26   | 20.85      | 0.1216   |
| 10                                                                | 1          | 25        |         | 21.07  | 21.13  | 21.05   |            |          |
| 10                                                                | 1          | 49        |         | 20.90  | 20.96  | 20.98   |            |          |
| 10                                                                | 25         | 0         |         | 21.35  | 21.31  | 21.34   |            |          |
| 10                                                                | 25         | 12        |         | 21.23  | 21.27  | 21.29   |            |          |
| 10                                                                | 25         | 25        |         | 21.20  | 21.22  | 21.12   |            |          |
| 10                                                                | 50         | 0         |         | 21.24  | 21.28  | 21.15   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -0.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                                 | 1          | 0         | QPSK    | 26.16  | 26.15  | 26.15   | 25.66      | 0.3681   |
| 5                                                                 | 1          | 12        |         | 26.16  | 26.11  | 26.14   |            |          |
| 5                                                                 | 1          | 24        |         | 26.16  | 26.14  | 26.12   |            |          |
| 5                                                                 | 12         | 0         |         | 25.25  | 25.17  | 25.26   |            |          |
| 5                                                                 | 12         | 7         |         | 25.27  | 25.17  | 25.22   |            |          |
| 5                                                                 | 12         | 13        |         | 25.28  | 25.19  | 25.19   |            |          |
| 5                                                                 | 25         | 0         |         | 25.27  | 25.15  | 25.19   |            |          |
| 5                                                                 | 1          | 0         | 16-QAM  | 25.61  | 25.51  | 25.52   | 25.11      | 0.3243   |
| 5                                                                 | 1          | 12        |         | 25.32  | 25.23  | 25.33   |            |          |
| 5                                                                 | 1          | 24        |         | 25.49  | 25.41  | 25.38   |            |          |
| 5                                                                 | 12         | 0         |         | 24.28  | 24.23  | 24.23   |            |          |
| 5                                                                 | 12         | 7         |         | 24.29  | 24.26  | 24.21   |            |          |
| 5                                                                 | 12         | 13        |         | 24.31  | 24.27  | 24.22   |            |          |
| 5                                                                 | 25         | 0         |         | 24.39  | 24.30  | 24.25   |            |          |
| 5                                                                 | 1          | 0         | 64-QAM  | 24.31  | 24.56  | 24.36   | 24.06      | 0.2547   |
| 5                                                                 | 1          | 12        |         | 24.11  | 23.92  | 23.81   |            |          |
| 5                                                                 | 1          | 24        |         | 24.39  | 24.30  | 24.27   |            |          |
| 5                                                                 | 12         | 0         |         | 23.36  | 23.27  | 23.27   |            |          |
| 5                                                                 | 12         | 7         |         | 23.40  | 23.35  | 23.28   |            |          |
| 5                                                                 | 12         | 13        |         | 23.33  | 23.33  | 23.32   |            |          |
| 5                                                                 | 25         | 0         |         | 23.30  | 23.23  | 23.23   |            |          |
| 5                                                                 | 1          | 0         | 256-QAM | 21.26  | 21.37  | 21.24   | 20.87      | 0.1222   |
| 5                                                                 | 1          | 12        |         | 21.12  | 21.14  | 21.02   |            |          |
| 5                                                                 | 1          | 24        |         | 21.00  | 21.00  | 20.94   |            |          |
| 5                                                                 | 12         | 0         |         | 21.37  | 21.30  | 21.31   |            |          |
| 5                                                                 | 12         | 7         |         | 21.22  | 21.35  | 21.24   |            |          |
| 5                                                                 | 12         | 13        |         | 21.22  | 21.26  | 21.16   |            |          |
| 5                                                                 | 25         | 0         |         | 21.24  | 21.24  | 21.21   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                          | 1          | 0         | QPSK    | 24.48  | 24.40  | 24.53   | 24.23      | 0.2649   |
| 20                                                          | 1          | 49        |         | 24.45  | 24.39  | 24.52   |            |          |
| 20                                                          | 1          | 99        |         | 24.45  | 24.34  | 24.44   |            |          |
| 20                                                          | 50         | 0         |         | 23.51  | 23.38  | 23.52   |            |          |
| 20                                                          | 50         | 24        |         | 23.48  | 23.37  | 23.49   |            |          |
| 20                                                          | 50         | 50        |         | 23.47  | 23.36  | 23.48   |            |          |
| 20                                                          | 100        | 0         |         | 23.51  | 23.37  | 23.51   |            |          |
| 20                                                          | 1          | 0         | 16-QAM  | 23.57  | 23.52  | 23.54   | 23.33      | 0.2153   |
| 20                                                          | 1          | 49        |         | 23.63  | 23.55  | 23.55   |            |          |
| 20                                                          | 1          | 99        |         | 23.61  | 23.54  | 23.54   |            |          |
| 20                                                          | 50         | 0         |         | 22.49  | 22.37  | 22.53   |            |          |
| 20                                                          | 50         | 24        |         | 22.49  | 22.38  | 22.51   |            |          |
| 20                                                          | 50         | 50        |         | 22.48  | 22.37  | 22.49   |            |          |
| 20                                                          | 100        | 0         |         | 22.54  | 22.39  | 22.53   |            |          |
| 20                                                          | 1          | 0         | 64-QAM  | 22.41  | 22.15  | 22.29   | 22.13      | 0.1633   |
| 20                                                          | 1          | 49        |         | 22.43  | 22.13  | 22.29   |            |          |
| 20                                                          | 1          | 99        |         | 22.29  | 22.19  | 22.25   |            |          |
| 20                                                          | 50         | 0         |         | 21.51  | 21.44  | 21.55   |            |          |
| 20                                                          | 50         | 24        |         | 21.51  | 21.42  | 21.54   |            |          |
| 20                                                          | 50         | 50        |         | 21.49  | 21.42  | 21.52   |            |          |
| 20                                                          | 100        | 0         |         | 21.50  | 21.42  | 21.51   |            |          |
| 20                                                          | 1          | 0         | 256-QAM | 19.36  | 19.39  | 19.34   | 19.23      | 0.0838   |
| 20                                                          | 1          | 49        |         | 19.24  | 19.31  | 19.26   |            |          |
| 20                                                          | 1          | 99        |         | 19.34  | 19.30  | 19.31   |            |          |
| 20                                                          | 50         | 0         |         | 19.53  | 19.43  | 19.51   |            |          |
| 20                                                          | 50         | 24        |         | 19.49  | 19.46  | 19.45   |            |          |
| 20                                                          | 50         | 50        |         | 19.43  | 19.43  | 19.42   |            |          |
| 20                                                          | 100        | 0         |         | 19.46  | 19.49  | 19.43   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                          | 1          | 0         | QPSK    | 24.49  | 24.43  | 24.55   | 24.25      | 0.2661   |
| 15                                                          | 1          | 37        |         | 24.49  | 24.42  | 24.54   |            |          |
| 15                                                          | 1          | 74        |         | 24.46  | 24.34  | 24.46   |            |          |
| 15                                                          | 36         | 0         |         | 23.51  | 23.40  | 23.52   |            |          |
| 15                                                          | 36         | 20        |         | 23.49  | 23.39  | 23.49   |            |          |
| 15                                                          | 36         | 39        |         | 23.50  | 23.38  | 23.48   |            |          |
| 15                                                          | 75         | 0         |         | 23.53  | 23.39  | 23.52   |            |          |
| 15                                                          | 1          | 0         | 16-QAM  | 23.51  | 23.49  | 23.55   | 23.40      | 0.2188   |
| 15                                                          | 1          | 37        |         | 23.70  | 23.59  | 23.46   |            |          |
| 15                                                          | 1          | 74        |         | 23.63  | 23.53  | 23.51   |            |          |
| 15                                                          | 36         | 0         |         | 22.43  | 22.37  | 22.46   |            |          |
| 15                                                          | 36         | 20        |         | 22.42  | 22.39  | 22.49   |            |          |
| 15                                                          | 36         | 39        |         | 22.46  | 22.40  | 22.48   |            |          |
| 15                                                          | 75         | 0         |         | 22.53  | 22.40  | 22.54   |            |          |
| 15                                                          | 1          | 0         | 64-QAM  | 22.32  | 22.13  | 22.30   | 22.07      | 0.1611   |
| 15                                                          | 1          | 37        |         | 22.37  | 22.20  | 22.27   |            |          |
| 15                                                          | 1          | 74        |         | 22.33  | 22.10  | 22.24   |            |          |
| 15                                                          | 36         | 0         |         | 21.52  | 21.43  | 21.52   |            |          |
| 15                                                          | 36         | 20        |         | 21.49  | 21.43  | 21.51   |            |          |
| 15                                                          | 36         | 39        |         | 21.50  | 21.45  | 21.51   |            |          |
| 15                                                          | 75         | 0         |         | 21.50  | 21.43  | 21.54   |            |          |
| 15                                                          | 1          | 0         | 256-QAM | 19.28  | 19.31  | 19.30   | 19.20      | 0.0832   |
| 15                                                          | 1          | 37        |         | 19.16  | 19.21  | 19.18   |            |          |
| 15                                                          | 1          | 74        |         | 19.31  | 19.21  | 19.28   |            |          |
| 15                                                          | 36         | 0         |         | 19.47  | 19.42  | 19.50   |            |          |
| 15                                                          | 36         | 20        |         | 19.48  | 19.43  | 19.37   |            |          |
| 15                                                          | 36         | 39        |         | 19.42  | 19.35  | 19.41   |            |          |
| 15                                                          | 75         | 0         |         | 19.40  | 19.46  | 19.33   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                          | 1          | 0         | QPSK    | 24.50  | 24.44  | 24.55   | 24.25      | 0.2661   |
| 10                                                          | 1          | 25        |         | 24.40  | 24.29  | 24.41   |            |          |
| 10                                                          | 1          | 49        |         | 24.48  | 24.38  | 24.48   |            |          |
| 10                                                          | 25         | 0         |         | 23.50  | 23.40  | 23.57   |            |          |
| 10                                                          | 25         | 12        |         | 23.44  | 23.37  | 23.52   |            |          |
| 10                                                          | 25         | 25        |         | 23.45  | 23.39  | 23.55   |            |          |
| 10                                                          | 50         | 0         |         | 23.49  | 23.42  | 23.56   |            |          |
| 10                                                          | 1          | 0         | 16-QAM  | 23.56  | 23.53  | 23.69   | 23.39      | 0.2183   |
| 10                                                          | 1          | 25        |         | 23.51  | 23.48  | 23.59   |            |          |
| 10                                                          | 1          | 49        |         | 23.56  | 23.51  | 23.63   |            |          |
| 10                                                          | 25         | 0         |         | 22.54  | 22.46  | 22.58   |            |          |
| 10                                                          | 25         | 12        |         | 22.56  | 22.47  | 22.59   |            |          |
| 10                                                          | 25         | 25        |         | 22.53  | 22.49  | 22.57   |            |          |
| 10                                                          | 50         | 0         |         | 22.50  | 22.46  | 22.57   |            |          |
| 10                                                          | 1          | 0         | 64-QAM  | 22.32  | 22.24  | 22.41   | 22.11      | 0.1626   |
| 10                                                          | 1          | 25        |         | 22.29  | 22.17  | 22.35   |            |          |
| 10                                                          | 1          | 49        |         | 22.39  | 22.26  | 22.34   |            |          |
| 10                                                          | 25         | 0         |         | 21.51  | 21.41  | 21.58   |            |          |
| 10                                                          | 25         | 12        |         | 21.51  | 21.41  | 21.58   |            |          |
| 10                                                          | 25         | 25        |         | 21.50  | 21.41  | 21.53   |            |          |
| 10                                                          | 50         | 0         |         | 21.50  | 21.45  | 21.56   |            |          |
| 10                                                          | 1          | 0         | 256-QAM | 19.34  | 19.32  | 19.30   | 19.18      | 0.0828   |
| 10                                                          | 1          | 25        |         | 19.20  | 19.24  | 19.21   |            |          |
| 10                                                          | 1          | 49        |         | 19.33  | 19.20  | 19.28   |            |          |
| 10                                                          | 25         | 0         |         | 19.46  | 19.39  | 19.48   |            |          |
| 10                                                          | 25         | 12        |         | 19.47  | 19.38  | 19.38   |            |          |
| 10                                                          | 25         | 25        |         | 19.39  | 19.39  | 19.38   |            |          |
| 10                                                          | 50         | 0         |         | 19.42  | 19.45  | 19.40   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                           | 1          | 0         | QPSK    | 24.46  | 24.40  | 24.51   | 24.21      | 0.2636   |
| 5                                                           | 1          | 12        |         | 24.43  | 24.36  | 24.50   |            |          |
| 5                                                           | 1          | 24        |         | 24.41  | 24.37  | 24.47   |            |          |
| 5                                                           | 12         | 0         |         | 23.44  | 23.38  | 23.50   |            |          |
| 5                                                           | 12         | 7         |         | 23.42  | 23.37  | 23.47   |            |          |
| 5                                                           | 12         | 13        |         | 23.41  | 23.35  | 23.45   |            |          |
| 5                                                           | 25         | 0         |         | 23.50  | 23.38  | 23.56   |            |          |
| 5                                                           | 1          | 0         | 16-QAM  | 23.53  | 23.48  | 23.60   | 23.30      | 0.2138   |
| 5                                                           | 1          | 12        |         | 23.58  | 23.58  | 23.57   |            |          |
| 5                                                           | 1          | 24        |         | 23.57  | 23.52  | 23.58   |            |          |
| 5                                                           | 12         | 0         |         | 22.38  | 22.37  | 22.46   |            |          |
| 5                                                           | 12         | 7         |         | 22.45  | 22.35  | 22.51   |            |          |
| 5                                                           | 12         | 13        |         | 22.45  | 22.37  | 22.46   |            |          |
| 5                                                           | 25         | 0         |         | 22.54  | 22.45  | 22.57   |            |          |
| 5                                                           | 1          | 0         | 64-QAM  | 22.30  | 22.17  | 22.32   | 22.05      | 0.1603   |
| 5                                                           | 1          | 12        |         | 22.35  | 22.27  | 22.34   |            |          |
| 5                                                           | 1          | 24        |         | 22.30  | 22.14  | 22.31   |            |          |
| 5                                                           | 12         | 0         |         | 21.39  | 21.43  | 21.46   |            |          |
| 5                                                           | 12         | 7         |         | 21.43  | 21.40  | 21.46   |            |          |
| 5                                                           | 12         | 13        |         | 21.42  | 21.43  | 21.44   |            |          |
| 5                                                           | 25         | 0         |         | 21.51  | 21.40  | 21.53   |            |          |
| 5                                                           | 1          | 0         | 256-QAM | 19.28  | 19.31  | 19.26   | 19.19      | 0.0830   |
| 5                                                           | 1          | 12        |         | 19.14  | 19.31  | 19.17   |            |          |
| 5                                                           | 1          | 24        |         | 19.26  | 19.22  | 19.26   |            |          |
| 5                                                           | 12         | 0         |         | 19.46  | 19.38  | 19.43   |            |          |
| 5                                                           | 12         | 7         |         | 19.43  | 19.39  | 19.41   |            |          |
| 5                                                           | 12         | 13        |         | 19.34  | 19.37  | 19.32   |            |          |
| 5                                                           | 25         | 0         |         | 19.37  | 19.49  | 19.38   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                                | 1          | 0         | QPSK    | 26.30  | 26.29  | 26.31   | 26.01      | 0.3990   |
| 20                                                                | 1          | 49        |         | 26.29  | 26.20  | 26.28   |            |          |
| 20                                                                | 1          | 99        |         | 26.07  | 26.09  | 26.09   |            |          |
| 20                                                                | 50         | 0         |         | 25.26  | 25.14  | 25.26   |            |          |
| 20                                                                | 50         | 24        |         | 25.24  | 25.13  | 25.25   |            |          |
| 20                                                                | 50         | 50        |         | 25.21  | 25.12  | 25.21   |            |          |
| 20                                                                | 100        | 0         |         | 25.23  | 25.12  | 25.22   |            |          |
| 20                                                                | 1          | 0         | 16-QAM  | 25.66  | 25.39  | 25.69   | 25.70      | 0.3715   |
| 20                                                                | 1          | 49        |         | 25.98  | 25.85  | 26.00   |            |          |
| 20                                                                | 1          | 99        |         | 25.70  | 25.60  | 25.71   |            |          |
| 20                                                                | 50         | 0         |         | 24.23  | 24.13  | 24.22   |            |          |
| 20                                                                | 50         | 24        |         | 24.18  | 24.15  | 24.19   |            |          |
| 20                                                                | 50         | 50        |         | 24.18  | 24.16  | 24.16   |            |          |
| 20                                                                | 100        | 0         |         | 24.23  | 24.18  | 24.23   |            |          |
| 20                                                                | 1          | 0         | 64-QAM  | 24.32  | 24.48  | 24.26   | 24.22      | 0.2642   |
| 20                                                                | 1          | 49        |         | 24.36  | 24.52  | 24.13   |            |          |
| 20                                                                | 1          | 99        |         | 24.28  | 24.46  | 24.21   |            |          |
| 20                                                                | 50         | 0         |         | 23.22  | 23.19  | 23.22   |            |          |
| 20                                                                | 50         | 24        |         | 23.20  | 23.15  | 23.20   |            |          |
| 20                                                                | 50         | 50        |         | 23.20  | 23.14  | 23.17   |            |          |
| 20                                                                | 100        | 0         |         | 23.24  | 23.15  | 23.23   |            |          |
| 20                                                                | 1          | 0         | 256-QAM | 21.05  | 21.08  | 21.14   | 21.01      | 0.1262   |
| 20                                                                | 1          | 49        |         | 21.06  | 21.05  | 20.99   |            |          |
| 20                                                                | 1          | 99        |         | 20.89  | 20.93  | 20.87   |            |          |
| 20                                                                | 50         | 0         |         | 21.25  | 21.29  | 21.31   |            |          |
| 20                                                                | 50         | 24        |         | 21.27  | 21.26  | 21.21   |            |          |
| 20                                                                | 50         | 50        |         | 21.26  | 21.19  | 21.24   |            |          |
| 20                                                                | 100        | 0         |         | 21.11  | 21.15  | 21.10   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                                | 1          | 0         | QPSK    | 26.18  | 26.13  | 26.22   | 26.13      | 0.4102   |
| 15                                                                | 1          | 37        |         | 26.41  | 26.43  | 26.33   |            |          |
| 15                                                                | 1          | 74        |         | 26.10  | 26.08  | 26.04   |            |          |
| 15                                                                | 36         | 0         |         | 25.20  | 25.12  | 25.21   |            |          |
| 15                                                                | 36         | 20        |         | 25.17  | 25.10  | 25.17   |            |          |
| 15                                                                | 36         | 39        |         | 25.17  | 25.14  | 25.18   |            |          |
| 15                                                                | 75         | 0         |         | 25.18  | 25.13  | 25.22   |            |          |
| 15                                                                | 1          | 0         | 16-QAM  | 25.38  | 25.40  | 25.34   | 25.29      | 0.3381   |
| 15                                                                | 1          | 37        |         | 25.59  | 25.56  | 25.35   |            |          |
| 15                                                                | 1          | 74        |         | 25.40  | 25.40  | 25.26   |            |          |
| 15                                                                | 36         | 0         |         | 24.12  | 24.07  | 24.11   |            |          |
| 15                                                                | 36         | 20        |         | 24.13  | 24.09  | 24.14   |            |          |
| 15                                                                | 36         | 39        |         | 24.15  | 24.11  | 24.14   |            |          |
| 15                                                                | 75         | 0         |         | 24.18  | 24.16  | 24.23   |            |          |
| 15                                                                | 1          | 0         | 64-QAM  | 24.16  | 24.38  | 24.26   | 24.08      | 0.2559   |
| 15                                                                | 1          | 37        |         | 24.16  | 24.15  | 24.12   |            |          |
| 15                                                                | 1          | 74        |         | 24.15  | 24.16  | 24.19   |            |          |
| 15                                                                | 36         | 0         |         | 23.19  | 23.17  | 23.19   |            |          |
| 15                                                                | 36         | 20        |         | 23.21  | 23.13  | 23.20   |            |          |
| 15                                                                | 36         | 39        |         | 23.21  | 23.16  | 23.20   |            |          |
| 15                                                                | 75         | 0         |         | 23.15  | 23.11  | 23.20   |            |          |
| 15                                                                | 1          | 0         | 256-QAM | 21.05  | 21.03  | 21.10   | 20.98      | 0.1253   |
| 15                                                                | 1          | 37        |         | 21.06  | 20.95  | 20.99   |            |          |
| 15                                                                | 1          | 74        |         | 20.84  | 20.88  | 20.78   |            |          |
| 15                                                                | 36         | 0         |         | 21.22  | 21.22  | 21.28   |            |          |
| 15                                                                | 36         | 20        |         | 21.19  | 21.17  | 21.15   |            |          |
| 15                                                                | 36         | 39        |         | 21.20  | 21.16  | 21.23   |            |          |
| 15                                                                | 75         | 0         |         | 21.10  | 21.10  | 21.09   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                                | 1          | 0         | QPSK    | 26.17  | 26.13  | 26.22   | 25.92      | 0.3908   |
| 10                                                                | 1          | 25        |         | 26.09  | 26.07  | 26.15   |            |          |
| 10                                                                | 1          | 49        |         | 26.16  | 26.16  | 26.22   |            |          |
| 10                                                                | 25         | 0         |         | 25.21  | 25.16  | 25.25   |            |          |
| 10                                                                | 25         | 12        |         | 25.24  | 25.16  | 25.25   |            |          |
| 10                                                                | 25         | 25        |         | 25.22  | 25.14  | 25.25   |            |          |
| 10                                                                | 50         | 0         |         | 25.33  | 25.17  | 25.33   |            |          |
| 10                                                                | 1          | 0         | 16-QAM  | 25.42  | 25.28  | 25.57   | 25.27      | 0.3365   |
| 10                                                                | 1          | 25        |         | 25.34  | 25.36  | 25.45   |            |          |
| 10                                                                | 1          | 49        |         | 25.37  | 25.38  | 25.41   |            |          |
| 10                                                                | 25         | 0         |         | 24.23  | 24.27  | 24.34   |            |          |
| 10                                                                | 25         | 12        |         | 24.28  | 24.27  | 24.33   |            |          |
| 10                                                                | 25         | 25        |         | 24.31  | 24.31  | 24.30   |            |          |
| 10                                                                | 50         | 0         |         | 24.28  | 24.22  | 24.34   |            |          |
| 10                                                                | 1          | 0         | 64-QAM  | 24.49  | 24.60  | 24.67   | 24.46      | 0.2793   |
| 10                                                                | 1          | 25        |         | 24.66  | 24.48  | 24.73   |            |          |
| 10                                                                | 1          | 49        |         | 24.75  | 24.49  | 24.76   |            |          |
| 10                                                                | 25         | 0         |         | 23.31  | 23.23  | 23.29   |            |          |
| 10                                                                | 25         | 12        |         | 23.31  | 23.23  | 23.35   |            |          |
| 10                                                                | 25         | 25        |         | 23.32  | 23.22  | 23.31   |            |          |
| 10                                                                | 50         | 0         |         | 23.32  | 23.23  | 23.29   |            |          |
| 10                                                                | 1          | 0         | 256-QAM | 20.99  | 21.05  | 21.09   | 20.98      | 0.1253   |
| 10                                                                | 1          | 25        |         | 21.04  | 20.95  | 20.99   |            |          |
| 10                                                                | 1          | 49        |         | 20.84  | 20.85  | 20.81   |            |          |
| 10                                                                | 25         | 0         |         | 21.17  | 21.28  | 21.27   |            |          |
| 10                                                                | 25         | 12        |         | 21.19  | 21.16  | 21.13   |            |          |
| 10                                                                | 25         | 25        |         | 21.16  | 21.09  | 21.17   |            |          |
| 10                                                                | 50         | 0         |         | 21.08  | 21.12  | 21.04   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



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Report No. : FG451607F

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -0.3 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                                 | 1          | 0         | QPSK    | 26.21  | 26.19  | 26.25   | 25.95      | 0.3936   |
| 5                                                                 | 1          | 12        |         | 26.17  | 26.16  | 26.17   |            |          |
| 5                                                                 | 1          | 24        |         | 26.19  | 26.15  | 26.23   |            |          |
| 5                                                                 | 12         | 0         |         | 25.22  | 25.20  | 25.26   |            |          |
| 5                                                                 | 12         | 7         |         | 25.23  | 25.22  | 25.26   |            |          |
| 5                                                                 | 12         | 13        |         | 25.22  | 25.19  | 25.24   |            |          |
| 5                                                                 | 25         | 0         |         | 25.20  | 25.14  | 25.23   |            |          |
| 5                                                                 | 1          | 0         | 16-QAM  | 25.54  | 25.52  | 25.68   | 25.38      | 0.3451   |
| 5                                                                 | 1          | 12        |         | 25.39  | 25.43  | 25.46   |            |          |
| 5                                                                 | 1          | 24        |         | 25.62  | 25.40  | 25.66   |            |          |
| 5                                                                 | 12         | 0         |         | 24.25  | 24.22  | 24.23   |            |          |
| 5                                                                 | 12         | 7         |         | 24.25  | 24.25  | 24.26   |            |          |
| 5                                                                 | 12         | 13        |         | 24.27  | 24.26  | 24.22   |            |          |
| 5                                                                 | 25         | 0         |         | 24.31  | 24.29  | 24.33   |            |          |
| 5                                                                 | 1          | 0         | 64-QAM  | 24.41  | 24.57  | 24.31   | 24.27      | 0.2673   |
| 5                                                                 | 1          | 12        |         | 24.14  | 23.97  | 24.29   |            |          |
| 5                                                                 | 1          | 24        |         | 24.54  | 24.31  | 24.29   |            |          |
| 5                                                                 | 12         | 0         |         | 23.27  | 23.35  | 23.29   |            |          |
| 5                                                                 | 12         | 7         |         | 23.33  | 23.36  | 23.27   |            |          |
| 5                                                                 | 12         | 13        |         | 23.35  | 23.34  | 23.24   |            |          |
| 5                                                                 | 25         | 0         |         | 23.24  | 23.22  | 23.24   |            |          |
| 5                                                                 | 1          | 0         | 256-QAM | 20.97  | 21.06  | 21.12   | 20.95      | 0.1245   |
| 5                                                                 | 1          | 12        |         | 20.97  | 21.00  | 20.96   |            |          |
| 5                                                                 | 1          | 24        |         | 20.87  | 20.84  | 20.87   |            |          |
| 5                                                                 | 12         | 0         |         | 21.25  | 21.25  | 21.21   |            |          |
| 5                                                                 | 12         | 7         |         | 21.25  | 21.18  | 21.14   |            |          |
| 5                                                                 | 12         | 13        |         | 21.20  | 21.13  | 21.18   |            |          |
| 5                                                                 | 25         | 0         |         | 21.07  | 21.15  | 21.08   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                                  | 1          | 0         | QPSK    | 24.66  | -      | -       | 19.91     | 0.0979  |
| 15                                                                  | 1          | 37        |         | 24.51  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 24.56  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 23.74  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 23.70  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 23.66  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 23.74  | -      | -       |           |         |
| 15                                                                  | 1          | 0         | 16-QAM  | 23.95  | -      | -       | 19.20     | 0.0832  |
| 15                                                                  | 1          | 37        |         | 23.94  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 23.93  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 22.76  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 22.72  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 22.72  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 22.75  | -      | -       |           |         |
| 15                                                                  | 1          | 0         | 64-QAM  | 22.95  | -      | -       | 18.20     | 0.0661  |
| 15                                                                  | 1          | 37        |         | 22.77  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 22.68  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 21.77  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 21.75  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 21.73  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 21.73  | -      | -       |           |         |
| 15                                                                  | 1          | 0         | 256-QAM | 20.07  | -      | -       | 15.32     | 0.0340  |
| 15                                                                  | 1          | 37        |         | 20.00  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 19.98  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 19.98  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 19.72  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 19.66  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 19.86  | -      | -       |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                                  | 1          | 0         | QPSK    | -      | 24.66  | -       | 19.91     | 0.0979  |
| 10                                                                  | 1          | 25        |         | -      | 24.46  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 24.57  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 23.76  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 23.75  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 23.74  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 23.80  | -       |           |         |
| 10                                                                  | 1          | 0         | 16-QAM  | -      | 23.99  | -       | 19.24     | 0.0839  |
| 10                                                                  | 1          | 25        |         | -      | 23.91  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 23.81  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 22.80  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 22.76  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 22.78  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 22.76  | -       |           |         |
| 10                                                                  | 1          | 0         | 64-QAM  | -      | 22.76  | -       | 18.03     | 0.0635  |
| 10                                                                  | 1          | 25        |         | -      | 22.74  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 22.78  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 21.80  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 21.74  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 21.74  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 21.77  | -       |           |         |
| 10                                                                  | 1          | 0         | 256-QAM | -      | 20.07  | -       | 15.32     | 0.0340  |
| 10                                                                  | 1          | 25        |         | -      | 20.02  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 19.91  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 19.97  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 19.80  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 19.63  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 19.91  | -       |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                                   | 1          | 0         | QPSK    | 24.61  | 24.51  | 24.70   | 19.95     | 0.0989  |
| 5                                                                   | 1          | 12        |         | 24.42  | 24.52  | 24.51   |           |         |
| 5                                                                   | 1          | 24        |         | 24.52  | 24.42  | 24.43   |           |         |
| 5                                                                   | 12         | 0         |         | 23.72  | 23.71  | 23.66   |           |         |
| 5                                                                   | 12         | 7         |         | 23.68  | 23.62  | 23.67   |           |         |
| 5                                                                   | 12         | 13        |         | 23.62  | 23.70  | 23.70   |           |         |
| 5                                                                   | 25         | 0         |         | 23.65  | 23.57  | 23.57   |           |         |
| 5                                                                   | 1          | 0         | 16-QAM  | 23.94  | 23.99  | 23.97   | 19.28     | 0.0847  |
| 5                                                                   | 1          | 12        |         | 23.96  | 23.90  | 23.86   |           |         |
| 5                                                                   | 1          | 24        |         | 23.96  | 24.03  | 24.03   |           |         |
| 5                                                                   | 12         | 0         |         | 22.72  | 22.82  | 22.79   |           |         |
| 5                                                                   | 12         | 7         |         | 22.73  | 22.75  | 22.67   |           |         |
| 5                                                                   | 12         | 13        |         | 22.71  | 22.69  | 22.70   |           |         |
| 5                                                                   | 25         | 0         |         | 22.72  | 22.73  | 22.82   |           |         |
| 5                                                                   | 1          | 0         | 64-QAM  | 22.86  | 22.92  | 22.88   | 18.22     | 0.0664  |
| 5                                                                   | 1          | 12        |         | 22.88  | 22.87  | 22.97   |           |         |
| 5                                                                   | 1          | 24        |         | 22.83  | 22.75  | 22.78   |           |         |
| 5                                                                   | 12         | 0         |         | 21.74  | 21.82  | 21.72   |           |         |
| 5                                                                   | 12         | 7         |         | 21.74  | 21.65  | 21.66   |           |         |
| 5                                                                   | 12         | 13        |         | 21.73  | 21.64  | 21.77   |           |         |
| 5                                                                   | 25         | 0         |         | 21.68  | 21.59  | 21.75   |           |         |
| 5                                                                   | 1          | 0         | 256-QAM | 20.07  | 20.11  | 20.08   | 15.36     | 0.0344  |
| 5                                                                   | 1          | 12        |         | 19.95  | 19.99  | 19.96   |           |         |
| 5                                                                   | 1          | 24        |         | 19.95  | 19.87  | 19.90   |           |         |
| 5                                                                   | 12         | 0         |         | 19.90  | 19.97  | 19.94   |           |         |
| 5                                                                   | 12         | 7         |         | 19.68  | 19.65  | 19.69   |           |         |
| 5                                                                   | 12         | 13        |         | 19.61  | 19.68  | 19.57   |           |         |
| 5                                                                   | 25         | 0         |         | 19.86  | 19.93  | 19.78   |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                                   | 1          | 0         | QPSK    | 24.59  | 24.57  | 24.49   | 19.84     | 0.0964  |
| 3                                                                   | 1          | 8         |         | 24.45  | 24.35  | 24.36   |           |         |
| 3                                                                   | 1          | 14        |         | 24.48  | 24.50  | 24.48   |           |         |
| 3                                                                   | 8          | 0         |         | 23.67  | 23.76  | 23.70   |           |         |
| 3                                                                   | 8          | 4         |         | 23.64  | 23.60  | 23.63   |           |         |
| 3                                                                   | 8          | 7         |         | 23.59  | 23.61  | 23.64   |           |         |
| 3                                                                   | 15         | 0         |         | 23.67  | 23.63  | 23.69   |           |         |
| 3                                                                   | 1          | 0         | 16-QAM  | 23.94  | 24.01  | 24.00   | 19.26     | 0.0843  |
| 3                                                                   | 1          | 8         |         | 23.89  | 23.96  | 23.79   |           |         |
| 3                                                                   | 1          | 14        |         | 23.96  | 23.93  | 23.93   |           |         |
| 3                                                                   | 8          | 0         |         | 22.65  | 22.59  | 22.60   |           |         |
| 3                                                                   | 8          | 4         |         | 22.66  | 22.62  | 22.68   |           |         |
| 3                                                                   | 8          | 7         |         | 22.69  | 22.61  | 22.70   |           |         |
| 3                                                                   | 15         | 0         |         | 22.66  | 22.61  | 22.71   |           |         |
| 3                                                                   | 1          | 0         | 64-QAM  | 22.79  | 22.71  | 22.80   | 18.13     | 0.0650  |
| 3                                                                   | 1          | 8         |         | 22.78  | 22.88  | 22.73   |           |         |
| 3                                                                   | 1          | 14        |         | 22.78  | 22.84  | 22.71   |           |         |
| 3                                                                   | 8          | 0         |         | 21.74  | 21.65  | 21.66   |           |         |
| 3                                                                   | 8          | 4         |         | 21.69  | 21.63  | 21.63   |           |         |
| 3                                                                   | 8          | 7         |         | 21.74  | 21.65  | 21.84   |           |         |
| 3                                                                   | 15         | 0         |         | 21.68  | 21.73  | 21.73   |           |         |
| 3                                                                   | 1          | 0         | 256-QAM | 19.99  | 20.04  | 19.89   | 15.29     | 0.0338  |
| 3                                                                   | 1          | 8         |         | 19.95  | 20.04  | 19.98   |           |         |
| 3                                                                   | 1          | 14        |         | 19.89  | 19.91  | 19.87   |           |         |
| 3                                                                   | 8          | 0         |         | 19.91  | 20.00  | 19.93   |           |         |
| 3                                                                   | 8          | 4         |         | 19.69  | 19.65  | 19.65   |           |         |
| 3                                                                   | 8          | 7         |         | 19.59  | 19.60  | 19.60   |           |         |
| 3                                                                   | 15         | 0         |         | 19.76  | 19.84  | 19.83   |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -2.6 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                                 | 1          | 0         | QPSK    | 24.54  | 24.54  | 24.44   | 19.86     | 0.0968  |
| 1.4                                                                 | 1          | 3         |         | 24.51  | 24.42  | 24.45   |           |         |
| 1.4                                                                 | 1          | 5         |         | 24.52  | 24.61  | 24.48   |           |         |
| 1.4                                                                 | 3          | 0         |         | 24.48  | 24.52  | 24.47   |           |         |
| 1.4                                                                 | 3          | 1         |         | 24.43  | 24.44  | 24.34   |           |         |
| 1.4                                                                 | 3          | 3         |         | 24.44  | 24.40  | 24.42   |           |         |
| 1.4                                                                 | 6          | 0         |         | 23.60  | 23.62  | 23.67   |           |         |
| 1.4                                                                 | 1          | 0         | 16-QAM  | 23.84  | 23.84  | 23.92   | 19.18     | 0.0828  |
| 1.4                                                                 | 1          | 3         |         | 23.72  | 23.62  | 23.65   |           |         |
| 1.4                                                                 | 1          | 5         |         | 23.87  | 23.79  | 23.93   |           |         |
| 1.4                                                                 | 3          | 0         |         | 23.72  | 23.71  | 23.64   |           |         |
| 1.4                                                                 | 3          | 1         |         | 23.67  | 23.68  | 23.76   |           |         |
| 1.4                                                                 | 3          | 3         |         | 23.69  | 23.63  | 23.68   |           |         |
| 1.4                                                                 | 6          | 0         |         | 22.74  | 22.69  | 22.82   |           |         |
| 1.4                                                                 | 1          | 0         | 64-QAM  | 22.75  | 22.76  | 22.79   | 18.04     | 0.0637  |
| 1.4                                                                 | 1          | 3         |         | 22.68  | 22.70  | 22.65   |           |         |
| 1.4                                                                 | 1          | 5         |         | 22.72  | 22.78  | 22.65   |           |         |
| 1.4                                                                 | 3          | 0         |         | 22.74  | 22.73  | 22.72   |           |         |
| 1.4                                                                 | 3          | 1         |         | 22.71  | 22.69  | 22.72   |           |         |
| 1.4                                                                 | 3          | 3         |         | 22.72  | 22.68  | 22.67   |           |         |
| 1.4                                                                 | 6          | 0         |         | 21.67  | 21.74  | 21.59   |           |         |
| 1.4                                                                 | 1          | 0         | 256-QAM | 20.06  | 20.07  | 20.00   | 15.32     | 0.0340  |
| 1.4                                                                 | 1          | 3         |         | 19.90  | 19.80  | 19.95   |           |         |
| 1.4                                                                 | 1          | 5         |         | 19.90  | 19.91  | 19.99   |           |         |
| 1.4                                                                 | 3          | 0         |         | 19.91  | 19.81  | 19.83   |           |         |
| 1.4                                                                 | 3          | 1         |         | 19.71  | 19.80  | 19.78   |           |         |
| 1.4                                                                 | 3          | 3         |         | 19.66  | 19.70  | 19.74   |           |         |
| 1.4                                                                 | 6          | 0         |         | 19.77  | 19.84  | 19.84   |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -2.6 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                                   | 1              | 0         | QPSK    | -      | 24.61  | -       | 19.86     | 0.0968  |
| 15                                                                   | 1              | 37        |         | -      | 24.46  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 24.51  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 23.68  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 23.62  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 23.61  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 23.77  | -       |           |         |
| 15                                                                   | 1              | 0         | 16-QAM  | -      | 23.89  | -       | 19.26     | 0.0843  |
| 15                                                                   | 1              | 37        |         | -      | 23.98  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 24.01  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 22.68  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 22.71  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 22.71  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 22.65  | -       |           |         |
| 15                                                                   | 1              | 0         | 64-QAM  | -      | 22.96  | -       | 18.21     | 0.0662  |
| 15                                                                   | 1              | 37        |         | -      | 22.72  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 22.69  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 21.81  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 21.71  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 21.81  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 21.72  | -       |           |         |
| 15                                                                   | 1              | 0         | 256-QAM | -      | 19.97  | -       | 15.27     | 0.0337  |
| 15                                                                   | 1              | 37        |         | -      | 20.02  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 19.89  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 19.88  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 19.64  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 19.64  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 19.80  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -2.6 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                                   | 1              | 0         | QPSK    | -      | 24.60  | -       | 19.85     | 0.0966  |
| 10                                                                   | 1              | 25        |         | -      | 24.41  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 24.58  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 23.72  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 23.69  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 23.73  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 23.75  | -       |           |         |
| 10                                                                   | 1              | 0         | 16-QAM  | -      | 23.99  | -       | 19.24     | 0.0839  |
| 10                                                                   | 1              | 25        |         | -      | 23.91  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 23.90  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 22.87  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 22.79  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 22.82  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 22.75  | -       |           |         |
| 10                                                                   | 1              | 0         | 64-QAM  | -      | 22.75  | -       | 18.08     | 0.0643  |
| 10                                                                   | 1              | 25        |         | -      | 22.73  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 22.83  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 21.79  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 21.68  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 21.67  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 21.72  | -       |           |         |
| 10                                                                   | 1              | 0         | 256-QAM | -      | 20.02  | -       | 15.27     | 0.0337  |
| 10                                                                   | 1              | 25        |         | -      | 19.85  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 19.81  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 19.83  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 19.62  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 19.61  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 19.95  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -2.6 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                                    | 1              | 0         | QPSK    | -      | 24.61  | -       | 19.86     | 0.0968  |
| 5                                                                    | 1              | 12        |         | -      | 24.40  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 24.54  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 23.77  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 23.58  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 23.69  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 23.58  | -       |           |         |
| 5                                                                    | 1              | 0         | 16-QAM  | -      | 23.88  | -       | 19.31     | 0.0853  |
| 5                                                                    | 1              | 12        |         | -      | 24.06  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 23.96  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 22.76  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 22.77  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 22.70  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 22.62  | -       |           |         |
| 5                                                                    | 1              | 0         | 64-QAM  | -      | 22.92  | -       | 18.18     | 0.0658  |
| 5                                                                    | 1              | 12        |         | -      | 22.83  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 22.93  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 21.84  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 21.82  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 21.80  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 21.60  | -       |           |         |
| 5                                                                    | 1              | 0         | 256-QAM | -      | 20.15  | -       | 15.40     | 0.0347  |
| 5                                                                    | 1              | 12        |         | -      | 20.02  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 19.87  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 19.95  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 19.58  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 19.57  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 19.90  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -2.6 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                                    | 1              | 0         | QPSK    | -      | 24.66  | -       | 19.91     | 0.0979  |
| 3                                                                    | 1              | 8         |         | -      | 24.40  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 24.56  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 23.72  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 23.62  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 23.63  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 23.59  | -       |           |         |
| 3                                                                    | 1              | 0         | 16-QAM  | -      | 23.96  | -       | 19.27     | 0.0845  |
| 3                                                                    | 1              | 8         |         | -      | 23.98  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 24.02  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 22.55  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 22.75  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 22.79  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 22.73  | -       |           |         |
| 3                                                                    | 1              | 0         | 64-QAM  | -      | 22.89  | -       | 18.14     | 0.0652  |
| 3                                                                    | 1              | 8         |         | -      | 22.69  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 22.81  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 21.76  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 21.70  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 21.71  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 21.69  | -       |           |         |
| 3                                                                    | 1              | 0         | 256-QAM | -      | 20.09  | -       | 15.34     | 0.0342  |
| 3                                                                    | 1              | 8         |         | -      | 19.95  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 19.88  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 19.98  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 19.65  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 19.62  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 19.75  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -2.6 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                                  | 1              | 0         | QPSK    | -      | 24.44  | -       | 19.83     | 0.0962  |
| 1.4                                                                  | 1              | 3         |         | -      | 24.46  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 24.46  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 24.58  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 24.43  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 24.42  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 23.62  | -       |           |         |
| 1.4                                                                  | 1              | 0         | 16-QAM  | -      | 23.85  | -       | 19.10     | 0.0813  |
| 1.4                                                                  | 1              | 3         |         | -      | 23.74  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 23.82  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 23.74  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 23.74  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 23.64  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 22.67  | -       |           |         |
| 1.4                                                                  | 1              | 0         | 64-QAM  | -      | 22.70  | -       | 18.01     | 0.0632  |
| 1.4                                                                  | 1              | 3         |         | -      | 22.62  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 22.74  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 22.76  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 22.74  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 22.67  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 21.58  | -       |           |         |
| 1.4                                                                  | 1              | 0         | 256-QAM | -      | 20.05  | -       | 15.30     | 0.0339  |
| 1.4                                                                  | 1              | 3         |         | -      | 19.88  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 19.87  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 19.97  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 19.64  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 19.76  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 19.70  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -0.3 dB) |           |           |         |           |         |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | QPSK    | 20.15  | 20.39  | 20.48   | 22.11      | 0.1626   |
| 20+20                                                           | 1         | 0         | 0       | 0         |         | 21.94  | 22.20  | 22.41   |            |          |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 15.87  | 16.13  | 16.26   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 15.91  | 16.14  | 16.19   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 16-QAM  | 20.19  | 20.43  | 20.49   | 22.06      | 0.1605   |
| 20+20                                                           | 1         | 0         | 0       | 0         |         | 22.36  | 22.35  | 22.04   |            |          |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 15.60  | 15.81  | 15.98   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 15.60  | 15.85  | 15.91   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 64-QAM  | 19.19  | 19.43  | 19.50   | 19.20      | 0.0832   |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 14.37  | 14.90  | 15.01   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 14.46  | 14.88  | 14.73   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 256-QAM | 18.19  | 18.46  | 18.51   | 18.21      | 0.0662   |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 7.78   | 7.94   | 8.29    |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 7.87   | 7.92   | 8.08    |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | QPSK    | 20.09  | 20.40  | 20.46   | 21.78      | 0.1506   |
| 20+15                                                           | 1         | 0         | 0       | 0         |         | 22.03  | 22.05  | 22.08   |            |          |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 15.84  | 16.15  | 16.25   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 15.87  | 16.11  | 16.18   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 16-QAM  | 20.12  | 20.43  | 20.47   | 21.91      | 0.1554   |
| 20+15                                                           | 1         | 0         | 0       | 0         |         | 22.07  | 22.18  | 22.21   |            |          |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 15.42  | 15.84  | 16.03   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 15.55  | 15.84  | 16.03   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 64-QAM  | 19.10  | 19.41  | 19.47   | 19.17      | 0.0826   |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 14.33  | 14.69  | 14.72   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 14.36  | 14.66  | 14.58   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 256-QAM | 18.13  | 18.45  | 18.48   | 18.18      | 0.0658   |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 7.78   | 7.90   | 8.13    |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 7.62   | 7.89   | 8.04    |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | QPSK    | 20.14  | 20.44  | 20.47   | 21.86      | 0.1535   |
| 15+20                                                           | 1         | 0         | 0       | 0         |         | 22.09  | 22.16  | 22.04   |            |          |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 15.89  | 16.13  | 16.23   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 15.89  | 16.15  | 16.15   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 16-QAM  | 20.17  | 20.44  | 20.48   | 22.03      | 0.1596   |
| 15+20                                                           | 1         | 0         | 0       | 0         |         | 22.09  | 22.33  | 22.28   |            |          |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 15.47  | 15.86  | 15.90   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 15.82  | 15.89  | 15.84   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 64-QAM  | 19.17  | 19.44  | 19.46   | 19.16      | 0.0824   |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 14.52  | 14.55  | 14.89   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 14.62  | 14.60  | 14.80   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 256-QAM | 18.20  | 18.46  | 18.51   | 18.21      | 0.0662   |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 7.89   | 8.04   | 8.34    |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 8.01   | 8.04   | 8.26    |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |         | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -0.3 dB) |           |           |         |           |         |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | QPSK    | 20.15  | 20.49  | 20.53   | 21.90      | 0.1550   |
| 20+10                                                           | 1         | 0         | 0       | 0         |         | 22.08  | 22.20  | 22.17   |            |          |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 15.90  | 16.20  | 16.34   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 15.92  | 16.16  | 16.21   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 16-QAM  | 20.19  | 20.50  | 20.57   | 21.97      | 0.1572   |
| 20+10                                                           | 1         | 0         | 0       | 0         |         | 22.17  | 22.27  | 22.04   |            |          |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 15.56  | 15.90  | 16.11   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 15.60  | 15.83  | 15.93   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 64-QAM  | 19.17  | 19.48  | 19.52   | 19.22      | 0.0836   |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 14.53  | 14.76  | 15.17   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         | 256-QAM | 14.55  | 14.78  | 15.03   | 18.27      | 0.0671   |
| 20+10                                                           | 100       | 0         | 50      | 0         |         | 18.20  | 18.50  | 18.57   |            |          |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 7.76   | 8.10   | 8.32    |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 7.76   | 8.12   | 8.17    |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | QPSK    | 20.17  | 20.47  | 20.51   | 22.09      | 0.1618   |
| 10+20                                                           | 1         | 0         | 0       | 0         |         | 22.39  | 22.30  | 22.27   |            |          |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 15.91  | 16.18  | 16.27   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 15.92  | 16.15  | 16.25   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 16-QAM  | 20.18  | 20.44  | 20.50   | 22.09      | 0.1618   |
| 10+20                                                           | 1         | 0         | 0       | 0         |         | 22.39  | 22.32  | 22.27   |            |          |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 15.56  | 15.93  | 16.11   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 15.65  | 15.79  | 15.96   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 64-QAM  | 19.21  | 19.48  | 19.56   | 19.26      | 0.0843   |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 14.53  | 14.78  | 14.94   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 14.71  | 14.75  | 14.90   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 256-QAM | 18.25  | 18.52  | 18.60   | 18.30      | 0.0676   |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 7.89   | 8.05   | 8.14    |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 7.94   | 7.99   | 8.10    |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | QPSK    | 20.28  | 20.60  | 20.65   | 21.99      | 0.1583   |
| 20+5                                                            | 1         | 0         | 0       | 0         |         | 22.29  | 22.07  | 22.13   |            |          |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 16.01  | 16.32  | 16.44   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 16.02  | 16.27  | 16.33   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 16-QAM  | 20.28  | 20.59  | 20.68   | 21.97      | 0.1575   |
| 20+5                                                            | 1         | 0         | 0       | 0         |         | 22.27  | 22.05  | 22.06   |            |          |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 15.72  | 16.05  | 16.18   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 15.76  | 15.96  | 16.11   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 64-QAM  | 19.30  | 19.60  | 19.65   | 19.35      | 0.0861   |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 14.87  | 15.14  | 15.35   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 14.86  | 15.05  | 14.92   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 256-QAM | 18.31  | 18.61  | 18.68   | 18.38      | 0.0689   |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 8.08   | 8.27   | 8.28    |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 8.03   | 8.22   | 8.14    |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |         | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -0.3 dB) |           |           |         |           |         |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | QPSK    | 20.36  | 20.63  | 20.66   | 22.03      | 0.1597   |
| 5+20                                                            | 1         | 0         | 0       | 0         |         | 22.07  | 22.33  | 22.12   |            |          |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 16.05  | 16.31  | 16.36   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 16.00  | 16.26  | 16.33   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 16-QAM  | 20.39  | 20.70  | 20.71   | 22.09      | 0.1618   |
| 5+20                                                            | 1         | 0         | 0       | 0         |         | 22.21  | 22.20  | 22.39   |            |          |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 15.81  | 16.02  | 15.98   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 15.80  | 16.08  | 15.95   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 64-QAM  | 19.34  | 19.64  | 19.66   | 19.36      | 0.0863   |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 14.68  | 15.15  | 15.16   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 14.88  | 14.96  | 15.11   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 256-QAM | 18.41  | 18.68  | 18.73   | 18.43      | 0.0697   |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 8.02   | 8.17   | 8.41    |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 8.01   | 8.16   | 8.33    |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | QPSK    | 20.25  | 20.52  | 20.59   | 21.92      | 0.1555   |
| 15+10                                                           | 1         | 0         | 0       | 0         |         | 22.22  | 22.19  | 22.12   |            |          |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 15.98  | 16.24  | 16.35   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 16.01  | 16.25  | 16.30   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 16-QAM  | 20.26  | 20.52  | 20.56   | 21.99      | 0.1583   |
| 15+10                                                           | 1         | 0         | 0       | 0         |         | 22.14  | 22.10  | 22.29   |            |          |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 15.63  | 15.94  | 16.15   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 15.70  | 15.92  | 16.07   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 64-QAM  | 19.26  | 19.56  | 19.59   | 19.29      | 0.0849   |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 14.47  | 14.86  | 15.00   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 14.49  | 14.83  | 14.85   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 256-QAM | 18.31  | 18.58  | 18.65   | 18.35      | 0.0684   |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 7.82   | 8.07   | 8.10    |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 7.73   | 8.09   | 8.14    |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | QPSK    | 20.25  | 20.54  | 20.59   | 21.80      | 0.1513   |
| 10+15                                                           | 1         | 0         | 0       | 0         |         | 22.07  | 22.03  | 22.10   |            |          |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 15.98  | 16.26  | 16.33   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 16.00  | 16.26  | 16.34   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 16-QAM  | 20.24  | 20.53  | 20.56   | 22.06      | 0.1608   |
| 10+15                                                           | 1         | 0         | 0       | 0         |         | 22.18  | 22.36  | 22.28   |            |          |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 15.67  | 15.94  | 16.13   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 15.71  | 15.92  | 16.10   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 64-QAM  | 19.29  | 19.54  | 19.64   | 19.34      | 0.0859   |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 14.50  | 14.72  | 14.72   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 14.56  | 14.74  | 14.88   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 256-QAM | 18.32  | 18.64  | 18.66   | 18.36      | 0.0685   |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 7.82   | 7.99   | 8.42    |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 7.86   | 7.87   | 8.13    |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |         | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -0.3 dB) |           |    |    |    |         |        |       |       |       |        |
|-----------------------------------------------------------------|-----------|----|----|----|---------|--------|-------|-------|-------|--------|
| 15+15                                                           | 75        | 0  | 75 | 0  | QPSK    | 20.16  | 20.47 | 20.48 | 21.90 | 0.1548 |
| 15+15                                                           | 1         | 0  | 0  | 0  |         | 22.07  | 22.20 | 22.08 |       |        |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 15.89  | 16.14 | 16.26 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 15.93  | 16.12 | 16.22 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 16-QAM  | 20.18  | 20.45 | 20.49 | 21.91 | 0.1553 |
| 15+15                                                           | 1         | 0  | 0  | 0  |         | 22.14  | 22.21 | 22.16 |       |        |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 15.60  | 15.92 | 16.04 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 15.70  | 16.06 | 16.02 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 64-QAM  | 19.22  | 19.48 | 19.53 | 19.23 | 0.0838 |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 14.29  | 14.57 | 14.64 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 14.40  | 14.58 | 14.80 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 256-QAM | 18.22  | 18.49 | 18.56 | 18.26 | 0.0670 |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 7.82   | 8.08  | 8.12  |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 8.01   | 8.00  | 8.04  |       |        |
| Limit                                                           | EIRP < 2W |    |    |    |         | Result |       |       | Pass  |        |



| LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -2.8 dB) |          |           |         |           |         |        |        |         |           |         |
|----------------------------------------------------------------|----------|-----------|---------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                       | PCC      |           | SCC     |           | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
|                                                                | RB Size  | RB Offset | RB Size | RB Offset |         |        |        |         |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | QPSK    | 20.98  | 21.19  | 20.96   | 17.92     | 0.0619  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 14.59  | 14.68  | 14.65   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 22.83  | 22.87  | 22.82   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 16-QAM  | 20.03  | 20.12  | 20.06   | 16.91     | 0.0491  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 14.65  | 14.77  | 14.66   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 21.82  | 21.86  | 21.81   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 64-QAM  | 20.00  | 20.09  | 20.02   | 15.14     | 0.0327  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 14.75  | 14.77  | 14.74   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 19.99  | 19.98  | 19.91   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 256-QAM | 17.99  | 18.00  | 17.98   | 13.13     | 0.0206  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 14.67  | 14.80  | 14.79   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 17.94  | 18.08  | 17.99   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | QPSK    | 21.00  | 20.88  | 20.89   | 17.84     | 0.0608  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 12.76  | 12.78  | 12.71   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 22.79  | 22.74  | 22.74   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 16-QAM  | 20.03  | 20.03  | 19.93   | 16.98     | 0.0499  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 12.90  | 12.94  | 12.74   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 21.93  | 21.84  | 21.80   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 64-QAM  | 20.00  | 20.02  | 19.91   | 15.07     | 0.0321  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 12.92  | 13.01  | 12.83   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 19.88  | 19.89  | 19.88   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 256-QAM | 18.02  | 18.02  | 17.96   | 13.07     | 0.0203  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 12.92  | 12.90  | 12.91   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 17.90  | 18.02  | 17.92   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | QPSK    | 21.07  | 20.95  | 20.89   | 17.99     | 0.0630  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 12.76  | 12.78  | 12.73   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 22.92  | 22.94  | 22.85   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 16-QAM  | 20.03  | 20.05  | 19.96   | 17.07     | 0.0509  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 12.79  | 12.79  | 12.86   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 21.96  | 22.02  | 21.85   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 64-QAM  | 20.02  | 20.06  | 19.92   | 15.11     | 0.0324  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 12.88  | 12.86  | 12.86   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 19.89  | 19.99  | 19.92   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 256-QAM | 18.06  | 18.04  | 18.00   | 13.11     | 0.0205  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 12.84  | 12.95  | 12.85   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 17.97  | 18.00  | 17.97   |           |         |
| Limit                                                          | ERP < 7W |           |         |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -2.8 dB) |          |           |         |           |         |        |        |         |           |         |
|----------------------------------------------------------------|----------|-----------|---------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                       | PCC      |           | SCC     |           | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
|                                                                | RB Size  | RB Offset | RB Size | RB Offset |         |        |        |         |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | QPSK    | 23.06  | 23.03  | 23.10   | 18.52     | 0.0711  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 13.31  | 13.32  | 14.46   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 22.93  | 22.87  | 23.47   |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | 16-QAM  | 22.98  | 22.95  | 22.99   | 18.15     | 0.0653  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 13.42  | 13.48  | 15.17   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 22.87  | 22.78  | 23.10   |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | 64-QAM  | 22.94  | 22.97  | 23.01   | 18.06     | 0.0640  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 13.48  | 13.37  | 13.18   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 22.84  | 22.84  | 22.99   |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | 256-QAM | 22.96  | 22.93  | 23.02   | 18.11     | 0.0647  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 13.46  | 13.39  | 14.70   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 22.89  | 22.91  | 23.06   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | QPSK    | 23.19  | 23.12  | 22.92   | 18.24     | 0.0667  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.63  | 14.60  | 13.34   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 23.08  | 22.90  | 22.72   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | 16-QAM  | 23.17  | 23.15  | 21.70   | 18.32     | 0.0679  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.93  | 14.90  | 13.32   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 23.27  | 23.26  | 22.87   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | 64-QAM  | 23.11  | 23.28  | 21.44   | 18.33     | 0.0681  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.90  | 14.79  | 13.31   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 23.25  | 23.12  | 22.80   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | 256-QAM | 23.09  | 23.04  | 22.81   | 18.43     | 0.0697  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.82  | 14.67  | 13.18   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 22.97  | 23.38  | 22.67   |           |         |
| Limit                                                          | ERP < 7W |           |         |           |         | Result |        |         | Pass      |         |



**<TX1 Antenna>**

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                         | 1        | 0         | QPSK    | 24.05  | 24.06  | 24.04   | 16.61     | 0.0458  |
| 10                                                         | 1        | 25        |         | 23.86  | 23.81  | 23.80   |           |         |
| 10                                                         | 1        | 49        |         | 23.88  | 23.88  | 23.84   |           |         |
| 10                                                         | 25       | 0         |         | 23.10  | 23.11  | 23.06   |           |         |
| 10                                                         | 25       | 12        |         | 23.09  | 23.08  | 23.02   |           |         |
| 10                                                         | 25       | 25        |         | 23.08  | 23.06  | 23.00   |           |         |
| 10                                                         | 50       | 0         |         | 23.12  | 23.13  | 23.05   |           |         |
| 10                                                         | 1        | 0         | 16-QAM  | 23.30  | 23.19  | 23.31   | 15.86     | 0.0385  |
| 10                                                         | 1        | 25        |         | 23.15  | 23.15  | 23.18   |           |         |
| 10                                                         | 1        | 49        |         | 23.23  | 23.13  | 23.06   |           |         |
| 10                                                         | 25       | 0         |         | 22.14  | 22.10  | 22.09   |           |         |
| 10                                                         | 25       | 12        |         | 22.10  | 22.08  | 22.07   |           |         |
| 10                                                         | 25       | 25        |         | 22.08  | 22.04  | 22.05   |           |         |
| 10                                                         | 50       | 0         |         | 22.11  | 22.07  | 22.06   |           |         |
| 10                                                         | 1        | 0         | 64-QAM  | 22.15  | 22.10  | 22.18   | 14.73     | 0.0297  |
| 10                                                         | 1        | 25        |         | 22.05  | 21.98  | 22.10   |           |         |
| 10                                                         | 1        | 49        |         | 22.13  | 21.99  | 21.91   |           |         |
| 10                                                         | 25       | 0         |         | 21.09  | 21.06  | 21.09   |           |         |
| 10                                                         | 25       | 12        |         | 21.07  | 21.04  | 21.04   |           |         |
| 10                                                         | 25       | 25        |         | 21.05  | 21.04  | 20.99   |           |         |
| 10                                                         | 50       | 0         |         | 21.11  | 21.10  | 21.09   |           |         |
| 10                                                         | 1        | 0         | 256-QAM | 19.50  | 19.52  | 19.48   | 12.07     | 0.0161  |
| 10                                                         | 1        | 25        |         | 19.35  | 19.40  | 19.33   |           |         |
| 10                                                         | 1        | 49        |         | 19.16  | 19.24  | 19.24   |           |         |
| 10                                                         | 25       | 0         |         | 19.35  | 19.39  | 19.34   |           |         |
| 10                                                         | 25       | 12        |         | 19.27  | 19.27  | 19.24   |           |         |
| 10                                                         | 25       | 25        |         | 19.21  | 19.23  | 19.13   |           |         |
| 10                                                         | 50       | 0         |         | 19.21  | 19.31  | 19.30   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                          | 1        | 0         | QPSK    | 24.05  | 24.03  | 24.01   | 16.60     | 0.0457  |
| 5                                                          | 1        | 12        |         | 24.02  | 24.01  | 23.95   |           |         |
| 5                                                          | 1        | 24        |         | 24.04  | 24.01  | 23.91   |           |         |
| 5                                                          | 12       | 0         |         | 23.07  | 23.03  | 22.97   |           |         |
| 5                                                          | 12       | 7         |         | 23.04  | 23.02  | 22.97   |           |         |
| 5                                                          | 12       | 13        |         | 23.01  | 23.01  | 22.92   |           |         |
| 5                                                          | 25       | 0         |         | 23.10  | 23.08  | 23.00   |           |         |
| 5                                                          | 1        | 0         | 16-QAM  | 23.26  | 23.22  | 23.26   | 15.81     | 0.0381  |
| 5                                                          | 1        | 12        |         | 23.24  | 23.21  | 23.22   |           |         |
| 5                                                          | 1        | 24        |         | 23.20  | 23.22  | 23.14   |           |         |
| 5                                                          | 12       | 0         |         | 22.06  | 22.01  | 21.98   |           |         |
| 5                                                          | 12       | 7         |         | 22.06  | 22.01  | 21.96   |           |         |
| 5                                                          | 12       | 13        |         | 22.03  | 21.98  | 21.90   |           |         |
| 5                                                          | 25       | 0         |         | 22.11  | 22.06  | 22.03   |           |         |
| 5                                                          | 1        | 0         | 64-QAM  | 22.17  | 22.06  | 22.09   | 14.72     | 0.0296  |
| 5                                                          | 1        | 12        |         | 22.09  | 22.02  | 21.98   |           |         |
| 5                                                          | 1        | 24        |         | 22.08  | 21.98  | 21.96   |           |         |
| 5                                                          | 12       | 0         |         | 21.10  | 21.01  | 21.04   |           |         |
| 5                                                          | 12       | 7         |         | 21.08  | 21.00  | 21.00   |           |         |
| 5                                                          | 12       | 13        |         | 21.03  | 20.99  | 20.98   |           |         |
| 5                                                          | 25       | 0         |         | 21.05  | 21.06  | 20.99   |           |         |
| 5                                                          | 1        | 0         | 256-QAM | 19.49  | 19.45  | 19.45   | 12.04     | 0.0160  |
| 5                                                          | 1        | 12        |         | 19.34  | 19.40  | 19.29   |           |         |
| 5                                                          | 1        | 24        |         | 19.15  | 19.20  | 19.16   |           |         |
| 5                                                          | 12       | 0         |         | 19.35  | 19.38  | 19.34   |           |         |
| 5                                                          | 12       | 7         |         | 19.27  | 19.25  | 19.14   |           |         |
| 5                                                          | 12       | 13        |         | 19.12  | 19.14  | 19.03   |           |         |
| 5                                                          | 25       | 0         |         | 19.18  | 19.28  | 19.23   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                          | 1        | 0         | QPSK    | 23.98  | 23.99  | 23.90   | 16.55     | 0.0452  |
| 3                                                          | 1        | 8         |         | 23.94  | 23.86  | 23.79   |           |         |
| 3                                                          | 1        | 14        |         | 24.00  | 23.94  | 23.85   |           |         |
| 3                                                          | 8        | 0         |         | 23.01  | 22.96  | 22.90   |           |         |
| 3                                                          | 8        | 4         |         | 23.02  | 22.96  | 22.87   |           |         |
| 3                                                          | 8        | 7         |         | 22.99  | 22.98  | 22.89   |           |         |
| 3                                                          | 15       | 0         |         | 23.01  | 22.99  | 22.92   |           |         |
| 3                                                          | 1        | 0         | 16-QAM  | 23.28  | 23.23  | 23.27   | 15.83     | 0.0383  |
| 3                                                          | 1        | 8         |         | 23.17  | 23.13  | 23.09   |           |         |
| 3                                                          | 1        | 14        |         | 23.20  | 23.14  | 23.08   |           |         |
| 3                                                          | 8        | 0         |         | 22.04  | 21.98  | 21.90   |           |         |
| 3                                                          | 8        | 4         |         | 22.06  | 21.98  | 21.91   |           |         |
| 3                                                          | 8        | 7         |         | 22.05  | 22.00  | 21.90   |           |         |
| 3                                                          | 15       | 0         |         | 22.00  | 21.95  | 21.88   |           |         |
| 3                                                          | 1        | 0         | 64-QAM  | 22.14  | 22.10  | 22.05   | 14.72     | 0.0296  |
| 3                                                          | 1        | 8         |         | 22.03  | 22.10  | 21.95   |           |         |
| 3                                                          | 1        | 14        |         | 22.17  | 22.13  | 21.95   |           |         |
| 3                                                          | 8        | 0         |         | 21.09  | 21.04  | 20.99   |           |         |
| 3                                                          | 8        | 4         |         | 21.06  | 21.03  | 20.94   |           |         |
| 3                                                          | 8        | 7         |         | 21.06  | 20.98  | 20.94   |           |         |
| 3                                                          | 15       | 0         |         | 21.02  | 20.98  | 20.93   |           |         |
| 3                                                          | 1        | 0         | 256-QAM | 19.47  | 19.44  | 19.46   | 12.02     | 0.0159  |
| 3                                                          | 1        | 8         |         | 19.35  | 19.32  | 19.28   |           |         |
| 3                                                          | 1        | 14        |         | 19.13  | 19.22  | 19.24   |           |         |
| 3                                                          | 8        | 0         |         | 19.34  | 19.39  | 19.32   |           |         |
| 3                                                          | 8        | 4         |         | 19.21  | 19.21  | 19.23   |           |         |
| 3                                                          | 8        | 7         |         | 19.20  | 19.13  | 19.08   |           |         |
| 3                                                          | 15       | 0         |         | 19.20  | 19.24  | 19.25   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |        |        |         |           |         |
|------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                   | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                        | 1        | 0         | QPSK    | 23.98  | 23.89  | 23.82   | 16.55     | 0.0452  |
| 1.4                                                        | 1        | 3         |         | 23.96  | 23.83  | 23.74   |           |         |
| 1.4                                                        | 1        | 5         |         | 23.99  | 23.92  | 23.80   |           |         |
| 1.4                                                        | 3        | 0         |         | 23.97  | 23.89  | 23.80   |           |         |
| 1.4                                                        | 3        | 1         |         | 24.00  | 23.90  | 23.83   |           |         |
| 1.4                                                        | 3        | 3         |         | 23.90  | 23.88  | 23.80   |           |         |
| 1.4                                                        | 6        | 0         |         | 22.94  | 22.91  | 22.82   |           |         |
| 1.4                                                        | 1        | 0         | 16-QAM  | 23.29  | 23.16  | 23.05   | 15.84     | 0.0384  |
| 1.4                                                        | 1        | 3         |         | 23.26  | 23.14  | 23.01   |           |         |
| 1.4                                                        | 1        | 5         |         | 23.21  | 23.12  | 22.97   |           |         |
| 1.4                                                        | 3        | 0         |         | 22.98  | 22.88  | 22.83   |           |         |
| 1.4                                                        | 3        | 1         |         | 23.02  | 22.94  | 22.81   |           |         |
| 1.4                                                        | 3        | 3         |         | 23.07  | 22.94  | 22.82   |           |         |
| 1.4                                                        | 6        | 0         |         | 22.02  | 21.93  | 21.84   |           |         |
| 1.4                                                        | 1        | 0         | 64-QAM  | 22.13  | 22.12  | 21.88   | 14.71     | 0.0296  |
| 1.4                                                        | 1        | 3         |         | 22.06  | 21.98  | 21.88   |           |         |
| 1.4                                                        | 1        | 5         |         | 22.16  | 22.03  | 21.94   |           |         |
| 1.4                                                        | 3        | 0         |         | 22.09  | 21.98  | 21.90   |           |         |
| 1.4                                                        | 3        | 1         |         | 22.13  | 22.03  | 21.98   |           |         |
| 1.4                                                        | 3        | 3         |         | 22.09  | 21.97  | 21.85   |           |         |
| 1.4                                                        | 6        | 0         |         | 21.02  | 20.91  | 20.84   |           |         |
| 1.4                                                        | 1        | 0         | 256-QAM | 19.44  | 19.48  | 19.42   | 12.03     | 0.0160  |
| 1.4                                                        | 1        | 3         |         | 19.31  | 19.37  | 19.28   |           |         |
| 1.4                                                        | 1        | 5         |         | 19.12  | 19.15  | 19.16   |           |         |
| 1.4                                                        | 3        | 0         |         | 19.27  | 19.39  | 19.34   |           |         |
| 1.4                                                        | 3        | 1         |         | 19.25  | 19.25  | 19.16   |           |         |
| 1.4                                                        | 3        | 3         |         | 19.21  | 19.20  | 19.11   |           |         |
| 1.4                                                        | 6        | 0         |         | 19.16  | 19.31  | 19.28   |           |         |
| Limit                                                      | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                         | 1          | 0         | QPSK    | 24.26  | 24.44  | 24.14   | 22.94      | 0.1968   |
| 20                                                         | 1          | 49        |         | 24.33  | 24.43  | 24.25   |            |          |
| 20                                                         | 1          | 99        |         | 24.18  | 24.28  | 24.07   |            |          |
| 20                                                         | 50         | 0         |         | 23.26  | 23.28  | 23.21   |            |          |
| 20                                                         | 50         | 24        |         | 23.25  | 23.20  | 23.19   |            |          |
| 20                                                         | 50         | 50        |         | 23.24  | 23.26  | 23.20   |            |          |
| 20                                                         | 100        | 0         |         | 23.26  | 23.30  | 23.18   |            |          |
| 20                                                         | 1          | 0         | 16-QAM  | 23.49  | 23.43  | 23.38   | 22.09      | 0.1618   |
| 20                                                         | 1          | 49        |         | 23.53  | 23.56  | 23.37   |            |          |
| 20                                                         | 1          | 99        |         | 23.40  | 23.59  | 23.22   |            |          |
| 20                                                         | 50         | 0         |         | 22.23  | 22.26  | 22.12   |            |          |
| 20                                                         | 50         | 24        |         | 22.22  | 22.26  | 22.15   |            |          |
| 20                                                         | 50         | 50        |         | 22.21  | 22.26  | 22.15   |            |          |
| 20                                                         | 100        | 0         |         | 22.18  | 22.23  | 22.12   |            |          |
| 20                                                         | 1          | 0         | 64-QAM  | 22.39  | 22.40  | 22.32   | 21.08      | 0.1282   |
| 20                                                         | 1          | 49        |         | 22.35  | 22.41  | 22.24   |            |          |
| 20                                                         | 1          | 99        |         | 22.37  | 22.58  | 22.21   |            |          |
| 20                                                         | 50         | 0         |         | 21.25  | 21.28  | 21.18   |            |          |
| 20                                                         | 50         | 24        |         | 21.28  | 21.32  | 21.16   |            |          |
| 20                                                         | 50         | 50        |         | 21.25  | 21.31  | 21.19   |            |          |
| 20                                                         | 100        | 0         |         | 21.23  | 21.27  | 21.16   |            |          |
| 20                                                         | 1          | 0         | 256-QAM | 19.56  | 19.63  | 19.53   | 18.13      | 0.0650   |
| 20                                                         | 1          | 49        |         | 19.27  | 19.35  | 19.35   |            |          |
| 20                                                         | 1          | 99        |         | 19.27  | 19.35  | 19.30   |            |          |
| 20                                                         | 50         | 0         |         | 19.32  | 19.42  | 19.42   |            |          |
| 20                                                         | 50         | 24        |         | 19.31  | 19.34  | 19.25   |            |          |
| 20                                                         | 50         | 50        |         | 19.18  | 19.27  | 19.25   |            |          |
| 20                                                         | 100        | 0         |         | 19.29  | 19.33  | 19.32   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                         | 1          | 0         | QPSK    | 24.13  | 24.23  | 24.06   | 22.81      | 0.1910   |
| 15                                                         | 1          | 37        |         | 24.24  | 24.31  | 24.20   |            |          |
| 15                                                         | 1          | 74        |         | 24.16  | 24.24  | 24.06   |            |          |
| 15                                                         | 36         | 0         |         | 23.21  | 23.28  | 23.15   |            |          |
| 15                                                         | 36         | 20        |         | 23.21  | 23.27  | 23.15   |            |          |
| 15                                                         | 36         | 39        |         | 23.21  | 23.28  | 23.16   |            |          |
| 15                                                         | 75         | 0         |         | 23.26  | 23.33  | 23.23   |            |          |
| 15                                                         | 1          | 0         | 16-QAM  | 23.47  | 23.51  | 23.36   | 22.19      | 0.1656   |
| 15                                                         | 1          | 37        |         | 23.43  | 23.45  | 23.30   |            |          |
| 15                                                         | 1          | 74        |         | 23.50  | 23.69  | 23.30   |            |          |
| 15                                                         | 36         | 0         |         | 22.20  | 22.24  | 22.13   |            |          |
| 15                                                         | 36         | 20        |         | 22.22  | 22.25  | 22.11   |            |          |
| 15                                                         | 36         | 39        |         | 22.23  | 22.31  | 22.10   |            |          |
| 15                                                         | 75         | 0         |         | 22.23  | 22.27  | 22.12   |            |          |
| 15                                                         | 1          | 0         | 64-QAM  | 22.41  | 22.44  | 22.35   | 21.13      | 0.1297   |
| 15                                                         | 1          | 37        |         | 22.54  | 22.56  | 22.33   |            |          |
| 15                                                         | 1          | 74        |         | 22.51  | 22.63  | 22.21   |            |          |
| 15                                                         | 36         | 0         |         | 21.26  | 21.25  | 21.15   |            |          |
| 15                                                         | 36         | 20        |         | 21.26  | 21.30  | 21.15   |            |          |
| 15                                                         | 36         | 39        |         | 21.27  | 21.35  | 21.13   |            |          |
| 15                                                         | 75         | 0         |         | 21.21  | 21.26  | 21.13   |            |          |
| 15                                                         | 1          | 0         | 256-QAM | 19.52  | 19.55  | 19.47   | 18.05      | 0.0638   |
| 15                                                         | 1          | 37        |         | 19.21  | 19.35  | 19.28   |            |          |
| 15                                                         | 1          | 74        |         | 19.20  | 19.35  | 19.22   |            |          |
| 15                                                         | 36         | 0         |         | 19.22  | 19.32  | 19.42   |            |          |
| 15                                                         | 36         | 20        |         | 19.21  | 19.34  | 19.16   |            |          |
| 15                                                         | 36         | 39        |         | 19.16  | 19.25  | 19.19   |            |          |
| 15                                                         | 75         | 0         |         | 19.26  | 19.23  | 19.22   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                         | 1          | 0         | QPSK    | 24.22  | 24.30  | 24.07   | 22.80      | 0.1905   |
| 10                                                         | 1          | 25        |         | 24.06  | 24.17  | 23.96   |            |          |
| 10                                                         | 1          | 49        |         | 24.18  | 24.28  | 24.03   |            |          |
| 10                                                         | 25         | 0         |         | 23.29  | 23.35  | 23.19   |            |          |
| 10                                                         | 25         | 12        |         | 23.30  | 23.33  | 23.20   |            |          |
| 10                                                         | 25         | 25        |         | 23.30  | 23.33  | 23.20   |            |          |
| 10                                                         | 50         | 0         |         | 23.29  | 23.30  | 23.20   |            |          |
| 10                                                         | 1          | 0         | 16-QAM  | 23.43  | 23.43  | 23.33   | 22.05      | 0.1603   |
| 10                                                         | 1          | 25        |         | 23.40  | 23.45  | 23.26   |            |          |
| 10                                                         | 1          | 49        |         | 23.44  | 23.55  | 23.23   |            |          |
| 10                                                         | 25         | 0         |         | 22.27  | 22.34  | 22.16   |            |          |
| 10                                                         | 25         | 12        |         | 22.26  | 22.32  | 22.15   |            |          |
| 10                                                         | 25         | 25        |         | 22.27  | 22.37  | 22.13   |            |          |
| 10                                                         | 50         | 0         |         | 22.23  | 22.28  | 22.12   |            |          |
| 10                                                         | 1          | 0         | 64-QAM  | 22.32  | 22.47  | 22.17   | 21.06      | 0.1276   |
| 10                                                         | 1          | 25        |         | 22.21  | 22.45  | 22.08   |            |          |
| 10                                                         | 1          | 49        |         | 22.33  | 22.56  | 22.15   |            |          |
| 10                                                         | 25         | 0         |         | 21.22  | 21.28  | 21.12   |            |          |
| 10                                                         | 25         | 12        |         | 21.20  | 21.29  | 21.13   |            |          |
| 10                                                         | 25         | 25        |         | 21.25  | 21.30  | 21.12   |            |          |
| 10                                                         | 50         | 0         |         | 21.26  | 21.31  | 21.15   |            |          |
| 10                                                         | 1          | 0         | 256-QAM | 19.46  | 19.56  | 19.48   | 18.06      | 0.0640   |
| 10                                                         | 1          | 25        |         | 19.19  | 19.33  | 19.25   |            |          |
| 10                                                         | 1          | 49        |         | 19.17  | 19.28  | 19.20   |            |          |
| 10                                                         | 25         | 0         |         | 19.28  | 19.33  | 19.42   |            |          |
| 10                                                         | 25         | 12        |         | 19.23  | 19.28  | 19.19   |            |          |
| 10                                                         | 25         | 25        |         | 19.16  | 19.26  | 19.25   |            |          |
| 10                                                         | 50         | 0         |         | 19.25  | 19.32  | 19.23   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                   | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                          | 1          | 0         | QPSK    | 24.23  | 24.30  | 24.12   | 22.91      | 0.1954   |
| 5                                                          | 1          | 12        |         | 24.31  | 24.41  | 24.20   |            |          |
| 5                                                          | 1          | 24        |         | 24.30  | 24.37  | 24.15   |            |          |
| 5                                                          | 12         | 0         |         | 23.25  | 23.29  | 23.13   |            |          |
| 5                                                          | 12         | 7         |         | 23.24  | 23.31  | 23.14   |            |          |
| 5                                                          | 12         | 13        |         | 23.26  | 23.30  | 23.12   |            |          |
| 5                                                          | 25         | 0         |         | 23.32  | 23.35  | 23.22   |            |          |
| 5                                                          | 1          | 0         | 16-QAM  | 23.43  | 23.54  | 23.31   | 22.16      | 0.1644   |
| 5                                                          | 1          | 12        |         | 23.50  | 23.41  | 23.27   |            |          |
| 5                                                          | 1          | 24        |         | 23.50  | 23.66  | 23.31   |            |          |
| 5                                                          | 12         | 0         |         | 22.25  | 22.34  | 22.10   |            |          |
| 5                                                          | 12         | 7         |         | 22.26  | 22.36  | 22.11   |            |          |
| 5                                                          | 12         | 13        |         | 22.24  | 22.37  | 22.09   |            |          |
| 5                                                          | 25         | 0         |         | 22.30  | 22.35  | 22.20   |            |          |
| 5                                                          | 1          | 0         | 64-QAM  | 22.43  | 22.46  | 22.27   | 21.07      | 0.1279   |
| 5                                                          | 1          | 12        |         | 22.50  | 22.57  | 22.28   |            |          |
| 5                                                          | 1          | 24        |         | 22.43  | 22.52  | 22.19   |            |          |
| 5                                                          | 12         | 0         |         | 21.27  | 21.29  | 21.11   |            |          |
| 5                                                          | 12         | 7         |         | 21.25  | 21.30  | 21.09   |            |          |
| 5                                                          | 12         | 13        |         | 21.26  | 21.32  | 21.06   |            |          |
| 5                                                          | 25         | 0         |         | 21.30  | 21.33  | 21.16   |            |          |
| 5                                                          | 1          | 0         | 256-QAM | 19.46  | 19.61  | 19.43   | 18.11      | 0.0647   |
| 5                                                          | 1          | 12        |         | 19.18  | 19.31  | 19.32   |            |          |
| 5                                                          | 1          | 24        |         | 19.22  | 19.33  | 19.25   |            |          |
| 5                                                          | 12         | 0         |         | 19.31  | 19.42  | 19.39   |            |          |
| 5                                                          | 12         | 7         |         | 19.28  | 19.31  | 19.17   |            |          |
| 5                                                          | 12         | 13        |         | 19.11  | 19.27  | 19.17   |            |          |
| 5                                                          | 25         | 0         |         | 19.26  | 19.32  | 19.31   |            |          |
| Limit                                                      | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -8.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK    | 23.68  | 23.72  | 23.71   | 13.27     | 0.0212  |
| 10                                                          | 1        | 25        |         | 23.56  | 23.56  | 23.55   |           |         |
| 10                                                          | 1        | 49        |         | 23.66  | 23.65  | 23.67   |           |         |
| 10                                                          | 25       | 0         |         | 22.77  | 22.80  | 22.79   |           |         |
| 10                                                          | 25       | 12        |         | 22.73  | 22.79  | 22.77   |           |         |
| 10                                                          | 25       | 25        |         | 22.76  | 22.73  | 22.76   |           |         |
| 10                                                          | 50       | 0         |         | 22.77  | 22.84  | 22.82   |           |         |
| 10                                                          | 1        | 0         | 16-QAM  | 22.90  | 22.92  | 23.02   | 12.57     | 0.0181  |
| 10                                                          | 1        | 25        |         | 22.92  | 22.93  | 22.96   |           |         |
| 10                                                          | 1        | 49        |         | 22.89  | 22.84  | 22.96   |           |         |
| 10                                                          | 25       | 0         |         | 21.78  | 21.81  | 21.86   |           |         |
| 10                                                          | 25       | 12        |         | 21.77  | 21.80  | 21.85   |           |         |
| 10                                                          | 25       | 25        |         | 21.77  | 21.81  | 21.85   |           |         |
| 10                                                          | 50       | 0         |         | 21.74  | 21.79  | 21.82   |           |         |
| 10                                                          | 1        | 0         | 64-QAM  | 21.76  | 21.90  | 21.96   | 11.51     | 0.0142  |
| 10                                                          | 1        | 25        |         | 21.73  | 21.83  | 21.94   |           |         |
| 10                                                          | 1        | 49        |         | 21.81  | 21.87  | 21.88   |           |         |
| 10                                                          | 25       | 0         |         | 20.73  | 20.78  | 20.80   |           |         |
| 10                                                          | 25       | 12        |         | 20.75  | 20.81  | 20.81   |           |         |
| 10                                                          | 25       | 25        |         | 20.75  | 20.80  | 20.83   |           |         |
| 10                                                          | 50       | 0         |         | 20.76  | 20.82  | 20.84   |           |         |
| 10                                                          | 1        | 0         | 256-QAM | 19.27  | 19.29  | 19.28   | 8.84      | 0.0077  |
| 10                                                          | 1        | 25        |         | 19.12  | 19.21  | 19.16   |           |         |
| 10                                                          | 1        | 49        |         | 19.09  | 19.10  | 19.08   |           |         |
| 10                                                          | 25       | 0         |         | 19.05  | 19.15  | 19.09   |           |         |
| 10                                                          | 25       | 12        |         | 19.06  | 19.10  | 19.01   |           |         |
| 10                                                          | 25       | 25        |         | 19.03  | 19.04  | 19.03   |           |         |
| 10                                                          | 50       | 0         |         | 19.02  | 19.08  | 19.07   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -8.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK    | 23.61  | 23.69  | 23.65   | 13.24     | 0.0211  |
| 5                                                           | 1        | 12        |         | 23.47  | 23.53  | 23.53   |           |         |
| 5                                                           | 1        | 24        |         | 23.58  | 23.57  | 23.66   |           |         |
| 5                                                           | 12       | 0         |         | 22.74  | 22.72  | 22.71   |           |         |
| 5                                                           | 12       | 7         |         | 22.70  | 22.69  | 22.70   |           |         |
| 5                                                           | 12       | 13        |         | 22.68  | 22.70  | 22.71   |           |         |
| 5                                                           | 25       | 0         |         | 22.67  | 22.82  | 22.76   |           |         |
| 5                                                           | 1        | 0         | 16-QAM  | 22.90  | 23.03  | 23.06   | 12.63     | 0.0183  |
| 5                                                           | 1        | 12        |         | 22.93  | 23.02  | 23.08   |           |         |
| 5                                                           | 1        | 24        |         | 22.99  | 23.03  | 23.06   |           |         |
| 5                                                           | 12       | 0         |         | 21.71  | 21.77  | 21.81   |           |         |
| 5                                                           | 12       | 7         |         | 21.73  | 21.79  | 21.82   |           |         |
| 5                                                           | 12       | 13        |         | 21.72  | 21.81  | 21.80   |           |         |
| 5                                                           | 25       | 0         |         | 21.76  | 21.84  | 21.84   |           |         |
| 5                                                           | 1        | 0         | 64-QAM  | 21.83  | 21.86  | 21.77   | 11.46     | 0.0140  |
| 5                                                           | 1        | 12        |         | 21.77  | 21.84  | 21.80   |           |         |
| 5                                                           | 1        | 24        |         | 21.81  | 21.87  | 21.91   |           |         |
| 5                                                           | 12       | 0         |         | 20.67  | 20.76  | 20.76   |           |         |
| 5                                                           | 12       | 7         |         | 20.69  | 20.77  | 20.75   |           |         |
| 5                                                           | 12       | 13        |         | 20.68  | 20.73  | 20.77   |           |         |
| 5                                                           | 25       | 0         |         | 20.72  | 20.78  | 20.82   |           |         |
| 5                                                           | 1        | 0         | 256-QAM | 19.27  | 19.22  | 19.26   | 8.82      | 0.0076  |
| 5                                                           | 1        | 12        |         | 19.12  | 19.16  | 19.15   |           |         |
| 5                                                           | 1        | 24        |         | 19.05  | 19.07  | 19.03   |           |         |
| 5                                                           | 12       | 0         |         | 19.03  | 19.11  | 19.03   |           |         |
| 5                                                           | 12       | 7         |         | 18.99  | 19.05  | 18.91   |           |         |
| 5                                                           | 12       | 13        |         | 18.97  | 18.96  | 18.93   |           |         |
| 5                                                           | 25       | 0         |         | 18.97  | 19.03  | 18.98   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -8.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK    | 23.59  | 23.69  | 23.64   | 13.24     | 0.0211  |
| 3                                                           | 1        | 8         |         | 23.46  | 23.47  | 23.47   |           |         |
| 3                                                           | 1        | 14        |         | 23.62  | 23.59  | 23.60   |           |         |
| 3                                                           | 8        | 0         |         | 22.66  | 22.74  | 22.76   |           |         |
| 3                                                           | 8        | 4         |         | 22.68  | 22.76  | 22.77   |           |         |
| 3                                                           | 8        | 7         |         | 22.71  | 22.79  | 22.78   |           |         |
| 3                                                           | 15       | 0         |         | 22.70  | 22.77  | 22.77   |           |         |
| 3                                                           | 1        | 0         | 16-QAM  | 22.93  | 23.10  | 23.09   | 12.65     | 0.0184  |
| 3                                                           | 1        | 8         |         | 22.85  | 22.99  | 22.93   |           |         |
| 3                                                           | 1        | 14        |         | 22.91  | 23.03  | 23.05   |           |         |
| 3                                                           | 8        | 0         |         | 21.69  | 21.77  | 21.80   |           |         |
| 3                                                           | 8        | 4         |         | 21.69  | 21.78  | 21.79   |           |         |
| 3                                                           | 8        | 7         |         | 21.72  | 21.79  | 21.82   |           |         |
| 3                                                           | 15       | 0         |         | 21.65  | 21.77  | 21.80   |           |         |
| 3                                                           | 1        | 0         | 64-QAM  | 21.83  | 21.88  | 21.87   | 11.50     | 0.0141  |
| 3                                                           | 1        | 8         |         | 21.77  | 21.87  | 21.89   |           |         |
| 3                                                           | 1        | 14        |         | 21.85  | 21.92  | 21.95   |           |         |
| 3                                                           | 8        | 0         |         | 20.64  | 20.74  | 20.77   |           |         |
| 3                                                           | 8        | 4         |         | 20.67  | 20.76  | 20.80   |           |         |
| 3                                                           | 8        | 7         |         | 20.64  | 20.76  | 20.83   |           |         |
| 3                                                           | 15       | 0         |         | 20.64  | 20.77  | 20.80   |           |         |
| 3                                                           | 1        | 0         | 256-QAM | 19.23  | 19.28  | 19.18   | 8.83      | 0.0076  |
| 3                                                           | 1        | 8         |         | 19.08  | 19.18  | 19.10   |           |         |
| 3                                                           | 1        | 14        |         | 19.01  | 19.06  | 19.03   |           |         |
| 3                                                           | 8        | 0         |         | 18.97  | 19.05  | 19.03   |           |         |
| 3                                                           | 8        | 4         |         | 19.04  | 19.07  | 18.97   |           |         |
| 3                                                           | 8        | 7         |         | 18.96  | 18.99  | 19.02   |           |         |
| 3                                                           | 15       | 0         |         | 18.92  | 19.05  | 18.99   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -8.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK    | 23.62  | 23.69  | 23.65   | 13.24     | 0.0211  |
| 1.4                                                         | 1        | 3         |         | 23.56  | 23.64  | 23.63   |           |         |
| 1.4                                                         | 1        | 5         |         | 23.61  | 23.61  | 23.62   |           |         |
| 1.4                                                         | 3        | 0         |         | 23.60  | 23.67  | 23.64   |           |         |
| 1.4                                                         | 3        | 1         |         | 23.59  | 23.65  | 23.62   |           |         |
| 1.4                                                         | 3        | 3         |         | 23.51  | 23.59  | 23.61   |           |         |
| 1.4                                                         | 6        | 0         |         | 22.58  | 22.66  | 22.67   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM  | 22.92  | 23.02  | 22.99   | 12.58     | 0.0181  |
| 1.4                                                         | 1        | 3         |         | 22.81  | 22.91  | 22.85   |           |         |
| 1.4                                                         | 1        | 5         |         | 22.87  | 23.03  | 22.92   |           |         |
| 1.4                                                         | 3        | 0         |         | 22.64  | 22.75  | 22.76   |           |         |
| 1.4                                                         | 3        | 1         |         | 22.65  | 22.77  | 22.65   |           |         |
| 1.4                                                         | 3        | 3         |         | 22.64  | 22.76  | 22.72   |           |         |
| 1.4                                                         | 6        | 0         |         | 21.66  | 21.76  | 21.74   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM  | 21.81  | 21.82  | 21.88   | 11.43     | 0.0139  |
| 1.4                                                         | 1        | 3         |         | 21.72  | 21.76  | 21.87   |           |         |
| 1.4                                                         | 1        | 5         |         | 21.80  | 21.77  | 21.85   |           |         |
| 1.4                                                         | 3        | 0         |         | 21.70  | 21.74  | 21.78   |           |         |
| 1.4                                                         | 3        | 1         |         | 21.74  | 21.84  | 21.83   |           |         |
| 1.4                                                         | 3        | 3         |         | 21.79  | 21.78  | 21.76   |           |         |
| 1.4                                                         | 6        | 0         |         | 20.60  | 20.70  | 20.72   |           |         |
| 1.4                                                         | 1        | 0         | 256-QAM | 19.20  | 19.20  | 19.26   | 8.81      | 0.0076  |
| 1.4                                                         | 1        | 3         |         | 19.05  | 19.14  | 19.15   |           |         |
| 1.4                                                         | 1        | 5         |         | 19.06  | 19.00  | 19.00   |           |         |
| 1.4                                                         | 3        | 0         |         | 19.05  | 19.12  | 19.03   |           |         |
| 1.4                                                         | 3        | 1         |         | 18.99  | 19.08  | 19.00   |           |         |
| 1.4                                                         | 3        | 3         |         | 18.93  | 18.96  | 19.01   |           |         |
| 1.4                                                         | 6        | 0         |         | 19.02  | 19.02  | 19.06   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -8.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK    | 23.73  | 23.75  | 23.74   | 13.30     | 0.0214  |
| 10                                                          | 1        | 25        |         | 23.67  | 23.69  | 23.70   |           |         |
| 10                                                          | 1        | 49        |         | 23.68  | 23.68  | 23.60   |           |         |
| 10                                                          | 25       | 0         |         | 22.91  | 22.93  | 22.92   |           |         |
| 10                                                          | 25       | 12        |         | 22.82  | 22.84  | 22.84   |           |         |
| 10                                                          | 25       | 25        |         | 22.85  | 22.89  | 22.86   |           |         |
| 10                                                          | 50       | 0         |         | 22.95  | 22.97  | 22.95   |           |         |
| 10                                                          | 1        | 0         | 16-QAM  | 23.08  | 23.14  | 23.07   | 12.69     | 0.0186  |
| 10                                                          | 1        | 25        |         | 23.07  | 23.01  | 23.04   |           |         |
| 10                                                          | 1        | 49        |         | 23.07  | 23.04  | 22.94   |           |         |
| 10                                                          | 25       | 0         |         | 21.93  | 21.96  | 21.96   |           |         |
| 10                                                          | 25       | 12        |         | 21.95  | 21.81  | 21.97   |           |         |
| 10                                                          | 25       | 25        |         | 21.96  | 21.97  | 21.98   |           |         |
| 10                                                          | 50       | 0         |         | 21.93  | 21.95  | 21.95   |           |         |
| 10                                                          | 1        | 0         | 64-QAM  | 22.01  | 22.07  | 22.08   | 11.63     | 0.0146  |
| 10                                                          | 1        | 25        |         | 21.92  | 22.00  | 21.98   |           |         |
| 10                                                          | 1        | 49        |         | 21.99  | 22.06  | 22.00   |           |         |
| 10                                                          | 25       | 0         |         | 20.86  | 20.92  | 20.92   |           |         |
| 10                                                          | 25       | 12        |         | 20.88  | 20.91  | 20.93   |           |         |
| 10                                                          | 25       | 25        |         | 20.90  | 20.91  | 20.95   |           |         |
| 10                                                          | 50       | 0         |         | 20.95  | 20.96  | 20.94   |           |         |
| 10                                                          | 1        | 0         | 256-QAM | 19.31  | 19.38  | 19.29   | 8.93      | 0.0078  |
| 10                                                          | 1        | 25        |         | 19.15  | 19.21  | 19.19   |           |         |
| 10                                                          | 1        | 49        |         | 19.07  | 19.17  | 19.16   |           |         |
| 10                                                          | 25       | 0         |         | 19.20  | 19.25  | 19.21   |           |         |
| 10                                                          | 25       | 12        |         | 19.18  | 19.25  | 19.17   |           |         |
| 10                                                          | 25       | 25        |         | 19.13  | 19.14  | 19.12   |           |         |
| 10                                                          | 50       | 0         |         | 19.26  | 19.26  | 19.20   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -8.3 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK    | 23.67  | 23.71  | 23.65   | 13.26     | 0.0212  |
| 5                                                           | 1        | 12        |         | 23.62  | 23.65  | 23.61   |           |         |
| 5                                                           | 1        | 24        |         | 23.64  | 23.63  | 23.54   |           |         |
| 5                                                           | 12       | 0         |         | 22.86  | 22.89  | 22.91   |           |         |
| 5                                                           | 12       | 7         |         | 22.71  | 22.89  | 22.90   |           |         |
| 5                                                           | 12       | 13        |         | 22.86  | 22.86  | 22.88   |           |         |
| 5                                                           | 25       | 0         |         | 22.90  | 22.94  | 22.96   |           |         |
| 5                                                           | 1        | 0         | 16-QAM  | 23.16  | 23.19  | 23.17   | 12.74     | 0.0188  |
| 5                                                           | 1        | 12        |         | 23.09  | 23.17  | 23.19   |           |         |
| 5                                                           | 1        | 24        |         | 23.11  | 23.08  | 23.18   |           |         |
| 5                                                           | 12       | 0         |         | 21.88  | 21.89  | 21.91   |           |         |
| 5                                                           | 12       | 7         |         | 21.90  | 21.90  | 21.92   |           |         |
| 5                                                           | 12       | 13        |         | 21.89  | 21.89  | 21.93   |           |         |
| 5                                                           | 25       | 0         |         | 21.93  | 21.94  | 21.96   |           |         |
| 5                                                           | 1        | 0         | 64-QAM  | 21.92  | 22.04  | 22.07   | 11.62     | 0.0145  |
| 5                                                           | 1        | 12        |         | 21.96  | 21.99  | 21.99   |           |         |
| 5                                                           | 1        | 24        |         | 21.99  | 22.01  | 22.02   |           |         |
| 5                                                           | 12       | 0         |         | 20.84  | 20.87  | 20.87   |           |         |
| 5                                                           | 12       | 7         |         | 20.87  | 20.86  | 20.90   |           |         |
| 5                                                           | 12       | 13        |         | 20.87  | 20.86  | 20.88   |           |         |
| 5                                                           | 25       | 0         |         | 20.89  | 20.90  | 20.92   |           |         |
| 5                                                           | 1        | 0         | 256-QAM | 19.29  | 19.33  | 19.28   | 8.88      | 0.0077  |
| 5                                                           | 1        | 12        |         | 19.12  | 19.19  | 19.13   |           |         |
| 5                                                           | 1        | 24        |         | 18.97  | 19.09  | 19.13   |           |         |
| 5                                                           | 12       | 0         |         | 19.14  | 19.20  | 19.16   |           |         |
| 5                                                           | 12       | 7         |         | 19.08  | 19.19  | 19.09   |           |         |
| 5                                                           | 12       | 13        |         | 19.10  | 19.10  | 19.02   |           |         |
| 5                                                           | 25       | 0         |         | 19.18  | 19.19  | 19.15   |           |         |
| Limit                                                       | ERP < 3W |           |         | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                          | 1        | 0         | QPSK    | 24.07  | 24.19  | 24.06   | 16.84     | 0.0483  |
| 15                                                          | 1        | 37        |         | 24.06  | 24.05  | 23.97   |           |         |
| 15                                                          | 1        | 74        |         | 23.91  | 23.96  | 23.88   |           |         |
| 15                                                          | 36       | 0         |         | 23.10  | 23.19  | 23.07   |           |         |
| 15                                                          | 36       | 20        |         | 23.05  | 22.97  | 23.03   |           |         |
| 15                                                          | 36       | 39        |         | 23.07  | 22.95  | 23.02   |           |         |
| 15                                                          | 75       | 0         |         | 23.13  | 23.00  | 23.11   |           |         |
| 15                                                          | 1        | 0         | 16-QAM  | 23.38  | 23.19  | 23.41   | 16.20     | 0.0417  |
| 15                                                          | 1        | 37        |         | 23.38  | 23.18  | 23.33   |           |         |
| 15                                                          | 1        | 74        |         | 23.37  | 23.55  | 23.13   |           |         |
| 15                                                          | 36       | 0         |         | 22.14  | 22.16  | 22.14   |           |         |
| 15                                                          | 36       | 20        |         | 22.13  | 22.15  | 22.09   |           |         |
| 15                                                          | 36       | 39        |         | 22.10  | 22.05  | 22.05   |           |         |
| 15                                                          | 75       | 0         |         | 22.12  | 22.17  | 22.11   |           |         |
| 15                                                          | 1        | 0         | 64-QAM  | 22.22  | 22.04  | 22.29   | 14.99     | 0.0316  |
| 15                                                          | 1        | 37        |         | 22.21  | 22.34  | 22.08   |           |         |
| 15                                                          | 1        | 74        |         | 22.20  | 22.09  | 21.90   |           |         |
| 15                                                          | 36       | 0         |         | 21.19  | 21.05  | 21.18   |           |         |
| 15                                                          | 36       | 20        |         | 21.19  | 21.13  | 21.14   |           |         |
| 15                                                          | 36       | 39        |         | 21.15  | 21.32  | 21.09   |           |         |
| 15                                                          | 75       | 0         |         | 21.13  | 21.25  | 21.10   |           |         |
| 15                                                          | 1        | 0         | 256-QAM | 19.58  | 19.37  | 19.55   | 12.23     | 0.0167  |
| 15                                                          | 1        | 37        |         | 19.34  | 19.35  | 19.29   |           |         |
| 15                                                          | 1        | 74        |         | 19.16  | 18.92  | 19.14   |           |         |
| 15                                                          | 36       | 0         |         | 19.44  | 19.46  | 19.40   |           |         |
| 15                                                          | 36       | 20        |         | 19.25  | 19.08  | 19.22   |           |         |
| 15                                                          | 36       | 39        |         | 19.19  | 18.96  | 19.15   |           |         |
| 15                                                          | 75       | 0         |         | 19.34  | 19.25  | 19.27   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                          | 1        | 0         | QPSK    | 23.88  | 24.08  | 24.03   | 16.73     | 0.0471  |
| 10                                                          | 1        | 25        |         | 23.86  | 23.97  | 23.94   |           |         |
| 10                                                          | 1        | 49        |         | 23.92  | 23.90  | 23.83   |           |         |
| 10                                                          | 25       | 0         |         | 22.94  | 22.90  | 23.04   |           |         |
| 10                                                          | 25       | 12        |         | 23.01  | 22.92  | 22.96   |           |         |
| 10                                                          | 25       | 25        |         | 23.08  | 22.94  | 22.98   |           |         |
| 10                                                          | 50       | 0         |         | 23.04  | 23.04  | 23.07   |           |         |
| 10                                                          | 1        | 0         | 16-QAM  | 23.21  | 23.24  | 23.39   | 16.04     | 0.0402  |
| 10                                                          | 1        | 25        |         | 23.23  | 23.24  | 23.23   |           |         |
| 10                                                          | 1        | 49        |         | 23.36  | 23.15  | 23.07   |           |         |
| 10                                                          | 25       | 0         |         | 22.09  | 22.19  | 22.12   |           |         |
| 10                                                          | 25       | 12        |         | 22.11  | 22.17  | 22.11   |           |         |
| 10                                                          | 25       | 25        |         | 22.04  | 22.12  | 22.06   |           |         |
| 10                                                          | 50       | 0         |         | 22.06  | 22.17  | 22.12   |           |         |
| 10                                                          | 1        | 0         | 64-QAM  | 22.29  | 22.31  | 22.29   | 15.02     | 0.0318  |
| 10                                                          | 1        | 25        |         | 22.24  | 22.20  | 22.07   |           |         |
| 10                                                          | 1        | 49        |         | 22.37  | 22.18  | 22.02   |           |         |
| 10                                                          | 25       | 0         |         | 21.24  | 21.02  | 21.12   |           |         |
| 10                                                          | 25       | 12        |         | 21.07  | 21.08  | 21.10   |           |         |
| 10                                                          | 25       | 25        |         | 21.02  | 21.13  | 21.04   |           |         |
| 10                                                          | 50       | 0         |         | 21.09  | 21.12  | 21.14   |           |         |
| 10                                                          | 1        | 0         | 256-QAM | 19.45  | 19.62  | 19.50   | 12.27     | 0.0169  |
| 10                                                          | 1        | 25        |         | 19.35  | 19.34  | 19.20   |           |         |
| 10                                                          | 1        | 49        |         | 19.06  | 19.22  | 19.12   |           |         |
| 10                                                          | 25       | 0         |         | 19.47  | 19.35  | 19.38   |           |         |
| 10                                                          | 25       | 12        |         | 19.15  | 19.20  | 19.12   |           |         |
| 10                                                          | 25       | 25        |         | 19.04  | 19.08  | 19.07   |           |         |
| 10                                                          | 50       | 0         |         | 19.26  | 19.36  | 19.25   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



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| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                           | 1        | 0         | QPSK    | 23.92  | 24.07  | 23.99   | 16.72     | 0.0470  |
| 5                                                           | 1        | 12        |         | 23.89  | 23.98  | 23.95   |           |         |
| 5                                                           | 1        | 24        |         | 23.95  | 23.82  | 23.85   |           |         |
| 5                                                           | 12       | 0         |         | 22.90  | 22.94  | 23.06   |           |         |
| 5                                                           | 12       | 7         |         | 22.97  | 23.02  | 23.01   |           |         |
| 5                                                           | 12       | 13        |         | 22.99  | 23.09  | 22.96   |           |         |
| 5                                                           | 25       | 0         |         | 23.01  | 23.02  | 23.10   |           |         |
| 5                                                           | 1        | 0         | 16-QAM  | 23.28  | 23.32  | 23.33   | 16.12     | 0.0409  |
| 5                                                           | 1        | 12        |         | 23.47  | 23.34  | 23.27   |           |         |
| 5                                                           | 1        | 24        |         | 23.37  | 23.31  | 23.15   |           |         |
| 5                                                           | 12       | 0         |         | 22.07  | 22.00  | 22.04   |           |         |
| 5                                                           | 12       | 7         |         | 22.21  | 21.97  | 22.03   |           |         |
| 5                                                           | 12       | 13        |         | 22.11  | 22.02  | 21.95   |           |         |
| 5                                                           | 25       | 0         |         | 22.23  | 22.19  | 22.05   |           |         |
| 5                                                           | 1        | 0         | 64-QAM  | 22.24  | 22.19  | 22.18   | 15.04     | 0.0319  |
| 5                                                           | 1        | 12        |         | 22.16  | 22.01  | 22.07   |           |         |
| 5                                                           | 1        | 24        |         | 22.39  | 22.03  | 21.96   |           |         |
| 5                                                           | 12       | 0         |         | 21.06  | 21.15  | 21.10   |           |         |
| 5                                                           | 12       | 7         |         | 21.07  | 21.09  | 21.09   |           |         |
| 5                                                           | 12       | 13        |         | 21.05  | 21.02  | 21.02   |           |         |
| 5                                                           | 25       | 0         |         | 21.21  | 21.07  | 21.03   |           |         |
| 5                                                           | 1        | 0         | 256-QAM | 19.63  | 19.51  | 19.47   | 12.28     | 0.0169  |
| 5                                                           | 1        | 12        |         | 19.40  | 19.29  | 19.25   |           |         |
| 5                                                           | 1        | 24        |         | 18.94  | 19.08  | 19.12   |           |         |
| 5                                                           | 12       | 0         |         | 19.43  | 19.27  | 19.37   |           |         |
| 5                                                           | 12       | 7         |         | 19.03  | 19.21  | 19.16   |           |         |
| 5                                                           | 12       | 13        |         | 19.02  | 19.23  | 19.11   |           |         |
| 5                                                           | 25       | 0         |         | 19.32  | 19.32  | 19.22   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                           | 1        | 0         | QPSK    | 23.96  | 23.97  | 23.99   | 16.75     | 0.0473  |
| 3                                                           | 1        | 8         |         | 23.88  | 24.10  | 23.89   |           |         |
| 3                                                           | 1        | 14        |         | 23.99  | 23.84  | 23.80   |           |         |
| 3                                                           | 8        | 0         |         | 22.97  | 23.05  | 23.01   |           |         |
| 3                                                           | 8        | 4         |         | 22.92  | 23.02  | 22.94   |           |         |
| 3                                                           | 8        | 7         |         | 23.11  | 23.12  | 22.94   |           |         |
| 3                                                           | 15       | 0         |         | 22.99  | 23.13  | 23.06   |           |         |
| 3                                                           | 1        | 0         | 16-QAM  | 23.37  | 23.39  | 23.29   | 16.04     | 0.0402  |
| 3                                                           | 1        | 8         |         | 23.21  | 23.03  | 23.05   |           |         |
| 3                                                           | 1        | 14        |         | 23.34  | 23.14  | 23.15   |           |         |
| 3                                                           | 8        | 0         |         | 22.14  | 21.99  | 22.01   |           |         |
| 3                                                           | 8        | 4         |         | 22.08  | 21.99  | 21.96   |           |         |
| 3                                                           | 8        | 7         |         | 22.23  | 22.01  | 21.97   |           |         |
| 3                                                           | 15       | 0         |         | 22.04  | 21.97  | 21.95   |           |         |
| 3                                                           | 1        | 0         | 64-QAM  | 22.24  | 22.19  | 22.09   | 14.95     | 0.0313  |
| 3                                                           | 1        | 8         |         | 22.12  | 22.17  | 21.96   |           |         |
| 3                                                           | 1        | 14        |         | 22.30  | 22.23  | 21.99   |           |         |
| 3                                                           | 8        | 0         |         | 21.21  | 21.10  | 21.06   |           |         |
| 3                                                           | 8        | 4         |         | 21.03  | 21.02  | 21.02   |           |         |
| 3                                                           | 8        | 7         |         | 21.21  | 21.08  | 21.02   |           |         |
| 3                                                           | 15       | 0         |         | 21.15  | 21.07  | 20.99   |           |         |
| 3                                                           | 1        | 0         | 256-QAM | 19.53  | 19.54  | 19.45   | 12.19     | 0.0166  |
| 3                                                           | 1        | 8         |         | 19.32  | 19.25  | 19.28   |           |         |
| 3                                                           | 1        | 14        |         | 19.10  | 19.12  | 19.05   |           |         |
| 3                                                           | 8        | 0         |         | 19.40  | 19.25  | 19.33   |           |         |
| 3                                                           | 8        | 4         |         | 19.16  | 19.24  | 19.17   |           |         |
| 3                                                           | 8        | 7         |         | 19.07  | 19.05  | 19.09   |           |         |
| 3                                                           | 15       | 0         |         | 19.28  | 19.22  | 19.19   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |          |           |         |        |        |         |           |         |
|-------------------------------------------------------------|----------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                    | RB Size  | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                         | 1        | 0         | QPSK    | 23.95  | 24.01  | 23.92   | 16.73     | 0.0471  |
| 1.4                                                         | 1        | 3         |         | 23.96  | 23.83  | 23.82   |           |         |
| 1.4                                                         | 1        | 5         |         | 23.91  | 23.89  | 23.84   |           |         |
| 1.4                                                         | 3        | 0         |         | 23.88  | 23.89  | 23.84   |           |         |
| 1.4                                                         | 3        | 1         |         | 24.08  | 24.00  | 23.74   |           |         |
| 1.4                                                         | 3        | 3         |         | 23.93  | 23.96  | 23.72   |           |         |
| 1.4                                                         | 6        | 0         |         | 23.13  | 22.98  | 22.92   |           |         |
| 1.4                                                         | 1        | 0         | 16-QAM  | 23.31  | 23.19  | 23.17   | 15.96     | 0.0394  |
| 1.4                                                         | 1        | 3         |         | 23.20  | 23.28  | 23.02   |           |         |
| 1.4                                                         | 1        | 5         |         | 23.17  | 23.31  | 23.11   |           |         |
| 1.4                                                         | 3        | 0         |         | 23.08  | 23.03  | 22.92   |           |         |
| 1.4                                                         | 3        | 1         |         | 23.02  | 23.08  | 22.92   |           |         |
| 1.4                                                         | 3        | 3         |         | 23.12  | 23.01  | 22.89   |           |         |
| 1.4                                                         | 6        | 0         |         | 22.04  | 22.08  | 21.95   |           |         |
| 1.4                                                         | 1        | 0         | 64-QAM  | 22.23  | 21.99  | 22.05   | 14.93     | 0.0311  |
| 1.4                                                         | 1        | 3         |         | 22.01  | 22.01  | 22.01   |           |         |
| 1.4                                                         | 1        | 5         |         | 22.28  | 22.18  | 22.00   |           |         |
| 1.4                                                         | 3        | 0         |         | 22.20  | 21.93  | 21.94   |           |         |
| 1.4                                                         | 3        | 1         |         | 22.25  | 22.10  | 21.97   |           |         |
| 1.4                                                         | 3        | 3         |         | 22.23  | 22.15  | 21.95   |           |         |
| 1.4                                                         | 6        | 0         |         | 21.14  | 21.04  | 20.95   |           |         |
| 1.4                                                         | 1        | 0         | 256-QAM | 19.37  | 19.58  | 19.55   | 12.23     | 0.0167  |
| 1.4                                                         | 1        | 3         |         | 19.25  | 19.31  | 19.22   |           |         |
| 1.4                                                         | 1        | 5         |         | 19.02  | 19.08  | 19.11   |           |         |
| 1.4                                                         | 3        | 0         |         | 19.34  | 19.40  | 19.32   |           |         |
| 1.4                                                         | 3        | 1         |         | 19.16  | 19.15  | 19.20   |           |         |
| 1.4                                                         | 3        | 3         |         | 19.16  | 19.13  | 19.05   |           |         |
| 1.4                                                         | 6        | 0         |         | 19.22  | 19.35  | 19.25   |           |         |
| Limit                                                       | ERP < 7W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                          | 1          | 0         | QPSK    | 24.37  | 24.39  | 24.37   | 21.49      | 0.1409   |
| 20                                                          | 1          | 49        |         | 24.36  | 24.34  | 24.36   |            |          |
| 20                                                          | 1          | 99        |         | 24.35  | 24.33  | 24.34   |            |          |
| 20                                                          | 50         | 0         |         | 23.41  | 23.42  | 23.41   |            |          |
| 20                                                          | 50         | 24        |         | 23.40  | 23.40  | 23.38   |            |          |
| 20                                                          | 50         | 50        |         | 23.40  | 23.37  | 23.40   |            |          |
| 20                                                          | 100        | 0         |         | 23.40  | 23.41  | 23.40   |            |          |
| 20                                                          | 1          | 0         | 16-QAM  | 23.48  | 23.37  | 23.41   | 20.58      | 0.1143   |
| 20                                                          | 1          | 49        |         | 23.43  | 23.34  | 23.40   |            |          |
| 20                                                          | 1          | 99        |         | 23.46  | 23.41  | 23.47   |            |          |
| 20                                                          | 50         | 0         |         | 22.38  | 22.35  | 22.38   |            |          |
| 20                                                          | 50         | 24        |         | 22.43  | 22.36  | 22.36   |            |          |
| 20                                                          | 50         | 50        |         | 22.41  | 22.33  | 22.39   |            |          |
| 20                                                          | 100        | 0         |         | 22.41  | 22.36  | 22.42   |            |          |
| 20                                                          | 1          | 0         | 64-QAM  | 22.25  | 22.18  | 22.23   | 19.37      | 0.0865   |
| 20                                                          | 1          | 49        |         | 22.21  | 22.21  | 22.20   |            |          |
| 20                                                          | 1          | 99        |         | 22.27  | 22.23  | 22.26   |            |          |
| 20                                                          | 50         | 0         |         | 21.43  | 21.37  | 21.40   |            |          |
| 20                                                          | 50         | 24        |         | 21.44  | 21.39  | 21.40   |            |          |
| 20                                                          | 50         | 50        |         | 21.45  | 21.38  | 21.40   |            |          |
| 20                                                          | 100        | 0         |         | 21.42  | 21.36  | 21.40   |            |          |
| 20                                                          | 1          | 0         | 256-QAM | 19.14  | 19.15  | 19.13   | 16.25      | 0.0422   |
| 20                                                          | 1          | 49        |         | 18.96  | 18.97  | 18.88   |            |          |
| 20                                                          | 1          | 99        |         | 18.92  | 18.94  | 18.84   |            |          |
| 20                                                          | 50         | 0         |         | 19.05  | 19.15  | 19.10   |            |          |
| 20                                                          | 50         | 24        |         | 19.01  | 19.08  | 19.02   |            |          |
| 20                                                          | 50         | 50        |         | 18.96  | 19.01  | 18.93   |            |          |
| 20                                                          | 100        | 0         |         | 18.96  | 19.03  | 19.00   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                          | 1          | 0         | QPSK    | 24.33  | 24.32  | 24.28   | 21.44      | 0.1393   |
| 15                                                          | 1          | 37        |         | 24.33  | 24.04  | 24.17   |            |          |
| 15                                                          | 1          | 74        |         | 24.34  | 24.32  | 24.34   |            |          |
| 15                                                          | 36         | 0         |         | 23.44  | 23.38  | 23.41   |            |          |
| 15                                                          | 36         | 20        |         | 23.42  | 23.38  | 23.39   |            |          |
| 15                                                          | 36         | 39        |         | 23.42  | 23.36  | 23.40   |            |          |
| 15                                                          | 75         | 0         |         | 23.41  | 23.35  | 23.39   |            |          |
| 15                                                          | 1          | 0         | 16-QAM  | 23.57  | 23.39  | 23.44   | 20.75      | 0.1189   |
| 15                                                          | 1          | 37        |         | 23.56  | 23.37  | 23.38   |            |          |
| 15                                                          | 1          | 74        |         | 23.65  | 23.37  | 23.42   |            |          |
| 15                                                          | 36         | 0         |         | 22.41  | 22.31  | 22.35   |            |          |
| 15                                                          | 36         | 20        |         | 22.43  | 22.32  | 22.35   |            |          |
| 15                                                          | 36         | 39        |         | 22.41  | 22.34  | 22.36   |            |          |
| 15                                                          | 75         | 0         |         | 22.44  | 22.38  | 22.43   |            |          |
| 15                                                          | 1          | 0         | 64-QAM  | 22.31  | 22.27  | 22.35   | 19.50      | 0.0891   |
| 15                                                          | 1          | 37        |         | 22.32  | 22.16  | 22.40   |            |          |
| 15                                                          | 1          | 74        |         | 22.32  | 22.23  | 22.35   |            |          |
| 15                                                          | 36         | 0         |         | 21.43  | 21.35  | 21.40   |            |          |
| 15                                                          | 36         | 20        |         | 21.40  | 21.37  | 21.39   |            |          |
| 15                                                          | 36         | 39        |         | 21.41  | 21.39  | 21.40   |            |          |
| 15                                                          | 75         | 0         |         | 21.40  | 21.37  | 21.41   |            |          |
| 15                                                          | 1          | 0         | 256-QAM | 19.14  | 19.06  | 19.13   | 16.25      | 0.0422   |
| 15                                                          | 1          | 37        |         | 18.89  | 18.90  | 18.82   |            |          |
| 15                                                          | 1          | 74        |         | 18.92  | 18.93  | 18.77   |            |          |
| 15                                                          | 36         | 0         |         | 19.02  | 19.15  | 19.08   |            |          |
| 15                                                          | 36         | 20        |         | 18.95  | 19.04  | 19.00   |            |          |
| 15                                                          | 36         | 39        |         | 18.94  | 18.91  | 18.84   |            |          |
| 15                                                          | 75         | 0         |         | 18.93  | 18.96  | 19.00   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                          | 1          | 0         | QPSK    | 24.35  | 24.31  | 24.35   | 21.45      | 0.1396   |
| 10                                                          | 1          | 25        |         | 24.29  | 24.23  | 24.27   |            |          |
| 10                                                          | 1          | 49        |         | 24.35  | 24.31  | 24.35   |            |          |
| 10                                                          | 25         | 0         |         | 23.36  | 23.34  | 23.36   |            |          |
| 10                                                          | 25         | 12        |         | 23.34  | 23.34  | 23.36   |            |          |
| 10                                                          | 25         | 25        |         | 23.37  | 23.34  | 23.37   |            |          |
| 10                                                          | 50         | 0         |         | 23.36  | 23.34  | 23.36   |            |          |
| 10                                                          | 1          | 0         | 16-QAM  | 23.32  | 23.24  | 23.34   | 20.51      | 0.1125   |
| 10                                                          | 1          | 25        |         | 23.34  | 23.21  | 23.31   |            |          |
| 10                                                          | 1          | 49        |         | 23.41  | 23.22  | 23.32   |            |          |
| 10                                                          | 25         | 0         |         | 22.40  | 22.38  | 22.43   |            |          |
| 10                                                          | 25         | 12        |         | 22.39  | 22.43  | 22.41   |            |          |
| 10                                                          | 25         | 25        |         | 22.42  | 22.40  | 22.43   |            |          |
| 10                                                          | 50         | 0         |         | 22.40  | 22.35  | 22.38   |            |          |
| 10                                                          | 1          | 0         | 64-QAM  | 22.36  | 22.11  | 22.19   | 19.50      | 0.0891   |
| 10                                                          | 1          | 25        |         | 22.33  | 22.00  | 22.15   |            |          |
| 10                                                          | 1          | 49        |         | 22.40  | 22.13  | 22.20   |            |          |
| 10                                                          | 25         | 0         |         | 21.38  | 21.36  | 21.38   |            |          |
| 10                                                          | 25         | 12        |         | 21.40  | 21.36  | 21.41   |            |          |
| 10                                                          | 25         | 25        |         | 21.42  | 21.39  | 21.39   |            |          |
| 10                                                          | 50         | 0         |         | 21.40  | 21.37  | 21.40   |            |          |
| 10                                                          | 1          | 0         | 256-QAM | 19.09  | 19.11  | 19.07   | 16.24      | 0.0421   |
| 10                                                          | 1          | 25        |         | 18.96  | 18.87  | 18.79   |            |          |
| 10                                                          | 1          | 49        |         | 18.90  | 18.88  | 18.82   |            |          |
| 10                                                          | 25         | 0         |         | 18.96  | 19.14  | 19.10   |            |          |
| 10                                                          | 25         | 12        |         | 19.01  | 18.99  | 19.00   |            |          |
| 10                                                          | 25         | 25        |         | 18.91  | 18.91  | 18.92   |            |          |
| 10                                                          | 50         | 0         |         | 18.88  | 18.98  | 18.93   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                           | 1          | 0         | QPSK    | 24.31  | 24.27  | 24.32   | 21.47      | 0.1403   |
| 5                                                           | 1          | 12        |         | 24.30  | 24.26  | 24.37   |            |          |
| 5                                                           | 1          | 24        |         | 24.31  | 24.24  | 24.31   |            |          |
| 5                                                           | 12         | 0         |         | 23.31  | 23.26  | 23.29   |            |          |
| 5                                                           | 12         | 7         |         | 23.32  | 23.28  | 23.28   |            |          |
| 5                                                           | 12         | 13        |         | 23.31  | 23.27  | 23.30   |            |          |
| 5                                                           | 25         | 0         |         | 23.28  | 23.30  | 23.33   |            |          |
| 5                                                           | 1          | 0         | 16-QAM  | 23.45  | 23.29  | 23.41   | 20.69      | 0.1172   |
| 5                                                           | 1          | 12        |         | 23.59  | 23.36  | 23.38   |            |          |
| 5                                                           | 1          | 24        |         | 23.48  | 23.36  | 23.41   |            |          |
| 5                                                           | 12         | 0         |         | 22.29  | 22.18  | 22.27   |            |          |
| 5                                                           | 12         | 7         |         | 22.29  | 22.28  | 22.33   |            |          |
| 5                                                           | 12         | 13        |         | 22.31  | 22.24  | 22.30   |            |          |
| 5                                                           | 25         | 0         |         | 22.36  | 22.33  | 22.41   |            |          |
| 5                                                           | 1          | 0         | 64-QAM  | 22.20  | 22.09  | 22.16   | 19.39      | 0.0869   |
| 5                                                           | 1          | 12        |         | 22.29  | 22.20  | 22.08   |            |          |
| 5                                                           | 1          | 24        |         | 22.18  | 22.14  | 22.11   |            |          |
| 5                                                           | 12         | 0         |         | 21.31  | 21.24  | 21.27   |            |          |
| 5                                                           | 12         | 7         |         | 21.34  | 21.29  | 21.31   |            |          |
| 5                                                           | 12         | 13        |         | 21.34  | 21.26  | 21.32   |            |          |
| 5                                                           | 25         | 0         |         | 21.33  | 21.33  | 21.39   |            |          |
| 5                                                           | 1          | 0         | 256-QAM | 19.11  | 19.11  | 19.09   | 16.24      | 0.0421   |
| 5                                                           | 1          | 12        |         | 18.94  | 18.89  | 18.84   |            |          |
| 5                                                           | 1          | 24        |         | 18.91  | 18.86  | 18.77   |            |          |
| 5                                                           | 12         | 0         |         | 18.96  | 19.14  | 19.03   |            |          |
| 5                                                           | 12         | 7         |         | 19.01  | 19.02  | 18.95   |            |          |
| 5                                                           | 12         | 13        |         | 18.94  | 18.96  | 18.88   |            |          |
| 5                                                           | 25         | 0         |         | 18.91  | 18.99  | 18.97   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                                | 1          | 0         | QPSK    | 26.10  | 26.12  | 26.11   | 23.22      | 0.2099   |
| 20                                                                | 1          | 49        |         | 26.09  | 26.11  | 26.10   |            |          |
| 20                                                                | 1          | 99        |         | 25.99  | 25.98  | 25.99   |            |          |
| 20                                                                | 50         | 0         |         | 25.15  | 25.16  | 25.15   |            |          |
| 20                                                                | 50         | 24        |         | 25.13  | 25.12  | 25.14   |            |          |
| 20                                                                | 50         | 50        |         | 25.14  | 25.12  | 25.13   |            |          |
| 20                                                                | 100        | 0         |         | 25.12  | 25.14  | 25.13   |            |          |
| 20                                                                | 1          | 0         | 16-QAM  | 25.60  | 25.20  | 25.45   | 22.76      | 0.1888   |
| 20                                                                | 1          | 49        |         | 25.66  | 25.24  | 25.64   |            |          |
| 20                                                                | 1          | 99        |         | 25.43  | 25.24  | 25.42   |            |          |
| 20                                                                | 50         | 0         |         | 24.13  | 24.09  | 24.10   |            |          |
| 20                                                                | 50         | 24        |         | 24.13  | 24.07  | 24.13   |            |          |
| 20                                                                | 50         | 50        |         | 24.16  | 24.09  | 24.12   |            |          |
| 20                                                                | 100        | 0         |         | 24.13  | 24.08  | 24.11   |            |          |
| 20                                                                | 1          | 0         | 64-QAM  | 24.13  | 24.11  | 24.10   | 21.34      | 0.1361   |
| 20                                                                | 1          | 49        |         | 24.15  | 24.22  | 24.24   |            |          |
| 20                                                                | 1          | 99        |         | 24.12  | 24.20  | 24.23   |            |          |
| 20                                                                | 50         | 0         |         | 23.14  | 23.05  | 23.08   |            |          |
| 20                                                                | 50         | 24        |         | 23.08  | 23.08  | 23.12   |            |          |
| 20                                                                | 50         | 50        |         | 23.09  | 23.14  | 23.14   |            |          |
| 20                                                                | 100        | 0         |         | 23.14  | 23.11  | 23.14   |            |          |
| 20                                                                | 1          | 0         | 256-QAM | 20.89  | 20.95  | 20.89   | 18.10      | 0.0646   |
| 20                                                                | 1          | 49        |         | 20.66  | 20.67  | 20.59   |            |          |
| 20                                                                | 1          | 99        |         | 20.69  | 20.75  | 20.65   |            |          |
| 20                                                                | 50         | 0         |         | 20.94  | 21.00  | 20.90   |            |          |
| 20                                                                | 50         | 24        |         | 20.96  | 20.97  | 20.92   |            |          |
| 20                                                                | 50         | 50        |         | 20.92  | 20.92  | 20.82   |            |          |
| 20                                                                | 100        | 0         |         | 20.75  | 20.84  | 20.82   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                                | 1          | 0         | QPSK    | 26.04  | 26.04  | 26.06   | 23.17      | 0.2075   |
| 15                                                                | 1          | 37        |         | 25.87  | 25.84  | 25.85   |            |          |
| 15                                                                | 1          | 74        |         | 26.07  | 26.02  | 26.06   |            |          |
| 15                                                                | 36         | 0         |         | 25.10  | 25.08  | 25.13   |            |          |
| 15                                                                | 36         | 20        |         | 25.09  | 25.09  | 25.13   |            |          |
| 15                                                                | 36         | 39        |         | 25.10  | 25.10  | 25.13   |            |          |
| 15                                                                | 75         | 0         |         | 25.08  | 25.08  | 25.13   |            |          |
| 15                                                                | 1          | 0         | 16-QAM  | 25.30  | 25.52  | 25.41   | 22.62      | 0.1828   |
| 15                                                                | 1          | 37        |         | 25.42  | 25.02  | 24.91   |            |          |
| 15                                                                | 1          | 74        |         | 25.46  | 25.20  | 25.22   |            |          |
| 15                                                                | 36         | 0         |         | 24.10  | 24.03  | 24.09   |            |          |
| 15                                                                | 36         | 20        |         | 24.09  | 24.07  | 24.09   |            |          |
| 15                                                                | 36         | 39        |         | 24.13  | 24.03  | 24.11   |            |          |
| 15                                                                | 75         | 0         |         | 24.14  | 24.07  | 24.14   |            |          |
| 15                                                                | 1          | 0         | 64-QAM  | 24.11  | 24.20  | 24.28   | 21.43      | 0.1390   |
| 15                                                                | 1          | 37        |         | 23.82  | 24.05  | 23.99   |            |          |
| 15                                                                | 1          | 74        |         | 24.13  | 24.29  | 24.33   |            |          |
| 15                                                                | 36         | 0         |         | 23.08  | 23.06  | 23.11   |            |          |
| 15                                                                | 36         | 20        |         | 23.10  | 23.07  | 23.12   |            |          |
| 15                                                                | 36         | 39        |         | 23.10  | 23.10  | 23.13   |            |          |
| 15                                                                | 75         | 0         |         | 23.12  | 23.09  | 23.14   |            |          |
| 15                                                                | 1          | 0         | 256-QAM | 20.87  | 20.88  | 20.88   | 18.09      | 0.0644   |
| 15                                                                | 1          | 37        |         | 20.61  | 20.67  | 20.55   |            |          |
| 15                                                                | 1          | 74        |         | 20.62  | 20.66  | 20.64   |            |          |
| 15                                                                | 36         | 0         |         | 20.91  | 20.99  | 20.87   |            |          |
| 15                                                                | 36         | 20        |         | 20.93  | 20.93  | 20.85   |            |          |
| 15                                                                | 36         | 39        |         | 20.88  | 20.91  | 20.73   |            |          |
| 15                                                                | 75         | 0         |         | 20.73  | 20.80  | 20.75   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                                | 1          | 0         | QPSK    | 26.10  | 26.10  | 26.10   | 23.20      | 0.2089   |
| 10                                                                | 1          | 25        |         | 26.06  | 26.08  | 26.10   |            |          |
| 10                                                                | 1          | 49        |         | 26.10  | 26.10  | 26.10   |            |          |
| 10                                                                | 25         | 0         |         | 25.10  | 25.12  | 25.15   |            |          |
| 10                                                                | 25         | 12        |         | 25.15  | 25.13  | 25.14   |            |          |
| 10                                                                | 25         | 25        |         | 25.14  | 25.12  | 25.15   |            |          |
| 10                                                                | 50         | 0         |         | 25.16  | 25.18  | 25.19   |            |          |
| 10                                                                | 1          | 0         | 16-QAM  | 25.32  | 25.17  | 25.27   | 22.42      | 0.1746   |
| 10                                                                | 1          | 25        |         | 25.18  | 25.15  | 25.18   |            |          |
| 10                                                                | 1          | 49        |         | 25.16  | 25.14  | 25.16   |            |          |
| 10                                                                | 25         | 0         |         | 24.22  | 24.22  | 24.27   |            |          |
| 10                                                                | 25         | 12        |         | 24.21  | 24.26  | 24.23   |            |          |
| 10                                                                | 25         | 25        |         | 24.24  | 24.19  | 24.24   |            |          |
| 10                                                                | 50         | 0         |         | 24.16  | 24.12  | 24.20   |            |          |
| 10                                                                | 1          | 0         | 64-QAM  | 24.52  | 24.44  | 24.54   | 21.64      | 0.1459   |
| 10                                                                | 1          | 25        |         | 24.41  | 24.34  | 24.41   |            |          |
| 10                                                                | 1          | 49        |         | 24.44  | 24.22  | 24.44   |            |          |
| 10                                                                | 25         | 0         |         | 23.21  | 23.19  | 23.22   |            |          |
| 10                                                                | 25         | 12        |         | 23.19  | 23.19  | 23.24   |            |          |
| 10                                                                | 25         | 25        |         | 23.20  | 23.21  | 23.22   |            |          |
| 10                                                                | 50         | 0         |         | 23.15  | 23.15  | 23.21   |            |          |
| 10                                                                | 1          | 0         | 256-QAM | 20.81  | 20.91  | 20.85   | 18.03      | 0.0635   |
| 10                                                                | 1          | 25        |         | 20.62  | 20.67  | 20.54   |            |          |
| 10                                                                | 1          | 49        |         | 20.65  | 20.66  | 20.61   |            |          |
| 10                                                                | 25         | 0         |         | 20.86  | 20.91  | 20.81   |            |          |
| 10                                                                | 25         | 12        |         | 20.89  | 20.93  | 20.91   |            |          |
| 10                                                                | 25         | 25        |         | 20.89  | 20.84  | 20.79   |            |          |
| 10                                                                | 50         | 0         |         | 20.71  | 20.78  | 20.81   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



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| LTE Band 38(HPUE) Maximum Average Power [dBm] (GT - LC = -2.9 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                                 | 1          | 0         | QPSK    | 26.10  | 26.10  | 26.02   | 23.20      | 0.2089   |
| 5                                                                 | 1          | 12        |         | 26.05  | 26.05  | 26.01   |            |          |
| 5                                                                 | 1          | 24        |         | 26.05  | 26.10  | 26.09   |            |          |
| 5                                                                 | 12         | 0         |         | 25.15  | 25.13  | 25.21   |            |          |
| 5                                                                 | 12         | 7         |         | 25.20  | 25.11  | 25.21   |            |          |
| 5                                                                 | 12         | 13        |         | 25.18  | 25.13  | 25.21   |            |          |
| 5                                                                 | 25         | 0         |         | 25.18  | 25.13  | 25.22   |            |          |
| 5                                                                 | 1          | 0         | 16-QAM  | 25.54  | 25.38  | 25.57   | 22.73      | 0.1875   |
| 5                                                                 | 1          | 12        |         | 25.34  | 25.29  | 25.35   |            |          |
| 5                                                                 | 1          | 24        |         | 25.63  | 25.62  | 25.63   |            |          |
| 5                                                                 | 12         | 0         |         | 24.23  | 24.22  | 24.27   |            |          |
| 5                                                                 | 12         | 7         |         | 24.22  | 24.24  | 24.23   |            |          |
| 5                                                                 | 12         | 13        |         | 24.25  | 24.22  | 24.26   |            |          |
| 5                                                                 | 25         | 0         |         | 24.22  | 24.19  | 24.26   |            |          |
| 5                                                                 | 1          | 0         | 64-QAM  | 24.31  | 24.33  | 24.33   | 21.54      | 0.1426   |
| 5                                                                 | 1          | 12        |         | 24.11  | 23.90  | 24.06   |            |          |
| 5                                                                 | 1          | 24        |         | 24.44  | 24.23  | 24.44   |            |          |
| 5                                                                 | 12         | 0         |         | 23.22  | 23.13  | 23.27   |            |          |
| 5                                                                 | 12         | 7         |         | 23.31  | 23.19  | 23.30   |            |          |
| 5                                                                 | 12         | 13        |         | 23.27  | 23.19  | 23.30   |            |          |
| 5                                                                 | 25         | 0         |         | 23.17  | 23.15  | 23.18   |            |          |
| 5                                                                 | 1          | 0         | 256-QAM | 20.86  | 20.85  | 20.89   | 18.05      | 0.0638   |
| 5                                                                 | 1          | 12        |         | 20.59  | 20.67  | 20.56   |            |          |
| 5                                                                 | 1          | 24        |         | 20.59  | 20.65  | 20.58   |            |          |
| 5                                                                 | 12         | 0         |         | 20.84  | 20.90  | 20.81   |            |          |
| 5                                                                 | 12         | 7         |         | 20.95  | 20.90  | 20.92   |            |          |
| 5                                                                 | 12         | 13        |         | 20.89  | 20.87  | 20.81   |            |          |
| 5                                                                 | 25         | 0         |         | 20.73  | 20.76  | 20.73   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                          | 1          | 0         | QPSK    | 24.48  | 24.56  | 24.55   | 23.06      | 0.2023   |
| 20                                                          | 1          | 49        |         | 24.42  | 24.31  | 24.36   |            |          |
| 20                                                          | 1          | 99        |         | 24.36  | 24.34  | 24.34   |            |          |
| 20                                                          | 50         | 0         |         | 23.48  | 23.54  | 23.53   |            |          |
| 20                                                          | 50         | 24        |         | 23.47  | 23.36  | 23.49   |            |          |
| 20                                                          | 50         | 50        |         | 23.43  | 23.36  | 23.42   |            |          |
| 20                                                          | 100        | 0         |         | 23.47  | 23.52  | 23.47   |            |          |
| 20                                                          | 1          | 0         | 16-QAM  | 23.53  | 23.46  | 23.55   | 22.05      | 0.1603   |
| 20                                                          | 1          | 49        |         | 23.49  | 23.40  | 23.38   |            |          |
| 20                                                          | 1          | 99        |         | 23.46  | 23.45  | 23.34   |            |          |
| 20                                                          | 50         | 0         |         | 22.46  | 22.34  | 22.49   |            |          |
| 20                                                          | 50         | 24        |         | 22.45  | 22.37  | 22.46   |            |          |
| 20                                                          | 50         | 50        |         | 22.44  | 22.38  | 22.42   |            |          |
| 20                                                          | 100        | 0         |         | 22.49  | 22.38  | 22.48   |            |          |
| 20                                                          | 1          | 0         | 64-QAM  | 22.22  | 22.01  | 22.30   | 20.80      | 0.1202   |
| 20                                                          | 1          | 49        |         | 22.19  | 21.99  | 22.14   |            |          |
| 20                                                          | 1          | 99        |         | 22.16  | 22.06  | 22.04   |            |          |
| 20                                                          | 50         | 0         |         | 21.51  | 21.36  | 21.49   |            |          |
| 20                                                          | 50         | 24        |         | 21.49  | 21.42  | 21.49   |            |          |
| 20                                                          | 50         | 50        |         | 21.44  | 21.39  | 21.45   |            |          |
| 20                                                          | 100        | 0         |         | 21.46  | 21.38  | 21.47   |            |          |
| 20                                                          | 1          | 0         | 256-QAM | 19.20  | 19.24  | 19.14   | 17.74      | 0.0594   |
| 20                                                          | 1          | 49        |         | 18.93  | 19.00  | 18.90   |            |          |
| 20                                                          | 1          | 99        |         | 18.95  | 18.98  | 18.89   |            |          |
| 20                                                          | 50         | 0         |         | 19.05  | 19.14  | 19.07   |            |          |
| 20                                                          | 50         | 24        |         | 19.03  | 19.09  | 19.08   |            |          |
| 20                                                          | 50         | 50        |         | 19.03  | 19.03  | 18.93   |            |          |
| 20                                                          | 100        | 0         |         | 19.08  | 19.09  | 19.02   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



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| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                          | 1          | 0         | QPSK    | 24.45  | 24.32  | 24.44   | 22.95      | 0.1972   |
| 15                                                          | 1          | 37        |         | 24.23  | 24.08  | 24.35   |            |          |
| 15                                                          | 1          | 74        |         | 24.37  | 24.28  | 24.26   |            |          |
| 15                                                          | 36         | 0         |         | 23.48  | 23.34  | 23.44   |            |          |
| 15                                                          | 36         | 20        |         | 23.47  | 23.35  | 23.39   |            |          |
| 15                                                          | 36         | 39        |         | 23.46  | 23.33  | 23.38   |            |          |
| 15                                                          | 75         | 0         |         | 23.51  | 23.35  | 23.45   |            |          |
| 15                                                          | 1          | 0         | 16-QAM  | 23.57  | 23.38  | 23.51   | 22.07      | 0.1611   |
| 15                                                          | 1          | 37        |         | 23.56  | 23.44  | 23.39   |            |          |
| 15                                                          | 1          | 74        |         | 23.50  | 23.40  | 23.39   |            |          |
| 15                                                          | 36         | 0         |         | 22.41  | 22.32  | 22.39   |            |          |
| 15                                                          | 36         | 20        |         | 22.39  | 22.32  | 22.38   |            |          |
| 15                                                          | 36         | 39        |         | 22.40  | 22.36  | 22.36   |            |          |
| 15                                                          | 75         | 0         |         | 22.49  | 22.39  | 22.45   |            |          |
| 15                                                          | 1          | 0         | 64-QAM  | 22.44  | 22.20  | 22.19   | 20.94      | 0.1242   |
| 15                                                          | 1          | 37        |         | 22.34  | 22.27  | 22.17   |            |          |
| 15                                                          | 1          | 74        |         | 22.34  | 22.15  | 22.03   |            |          |
| 15                                                          | 36         | 0         |         | 21.48  | 21.35  | 21.43   |            |          |
| 15                                                          | 36         | 20        |         | 21.46  | 21.36  | 21.42   |            |          |
| 15                                                          | 36         | 39        |         | 21.44  | 21.36  | 21.40   |            |          |
| 15                                                          | 75         | 0         |         | 21.46  | 21.33  | 21.43   |            |          |
| 15                                                          | 1          | 0         | 256-QAM | 19.20  | 19.21  | 19.06   | 17.71      | 0.0590   |
| 15                                                          | 1          | 37        |         | 18.90  | 18.93  | 18.83   |            |          |
| 15                                                          | 1          | 74        |         | 18.87  | 18.89  | 18.80   |            |          |
| 15                                                          | 36         | 0         |         | 19.04  | 19.04  | 19.05   |            |          |
| 15                                                          | 36         | 20        |         | 18.94  | 19.04  | 19.04   |            |          |
| 15                                                          | 36         | 39        |         | 19.03  | 18.93  | 18.89   |            |          |
| 15                                                          | 75         | 0         |         | 18.98  | 19.00  | 18.98   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                          | 1          | 0         | QPSK    | 24.46  | 24.30  | 24.39   | 22.96      | 0.1977   |
| 10                                                          | 1          | 25        |         | 24.36  | 24.19  | 24.32   |            |          |
| 10                                                          | 1          | 49        |         | 24.40  | 24.30  | 24.32   |            |          |
| 10                                                          | 25         | 0         |         | 23.46  | 23.34  | 23.44   |            |          |
| 10                                                          | 25         | 12        |         | 23.45  | 23.31  | 23.40   |            |          |
| 10                                                          | 25         | 25        |         | 23.45  | 23.36  | 23.41   |            |          |
| 10                                                          | 50         | 0         |         | 23.43  | 23.34  | 23.43   |            |          |
| 10                                                          | 1          | 0         | 16-QAM  | 23.50  | 23.35  | 23.44   | 22.00      | 0.1585   |
| 10                                                          | 1          | 25        |         | 23.43  | 23.34  | 23.37   |            |          |
| 10                                                          | 1          | 49        |         | 23.46  | 23.34  | 23.33   |            |          |
| 10                                                          | 25         | 0         |         | 22.49  | 22.35  | 22.47   |            |          |
| 10                                                          | 25         | 12        |         | 22.50  | 22.36  | 22.47   |            |          |
| 10                                                          | 25         | 25        |         | 22.49  | 22.39  | 22.44   |            |          |
| 10                                                          | 50         | 0         |         | 22.44  | 22.36  | 22.43   |            |          |
| 10                                                          | 1          | 0         | 64-QAM  | 22.39  | 22.15  | 22.25   | 20.89      | 0.1227   |
| 10                                                          | 1          | 25        |         | 22.36  | 22.14  | 22.12   |            |          |
| 10                                                          | 1          | 49        |         | 22.38  | 22.25  | 22.11   |            |          |
| 10                                                          | 25         | 0         |         | 21.50  | 21.36  | 21.45   |            |          |
| 10                                                          | 25         | 12        |         | 21.49  | 21.32  | 21.46   |            |          |
| 10                                                          | 25         | 25        |         | 21.47  | 21.36  | 21.41   |            |          |
| 10                                                          | 50         | 0         |         | 21.47  | 21.35  | 21.45   |            |          |
| 10                                                          | 1          | 0         | 256-QAM | 19.13  | 19.22  | 19.08   | 17.72      | 0.0592   |
| 10                                                          | 1          | 25        |         | 18.88  | 18.97  | 18.83   |            |          |
| 10                                                          | 1          | 49        |         | 18.94  | 18.90  | 18.86   |            |          |
| 10                                                          | 25         | 0         |         | 19.01  | 19.06  | 18.99   |            |          |
| 10                                                          | 25         | 12        |         | 18.96  | 19.06  | 18.99   |            |          |
| 10                                                          | 25         | 25        |         | 18.93  | 18.98  | 18.91   |            |          |
| 10                                                          | 50         | 0         |         | 19.04  | 19.01  | 18.95   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                    | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                           | 1          | 0         | QPSK    | 24.38  | 24.28  | 24.34   | 23.00      | 0.1995   |
| 5                                                           | 1          | 12        |         | 24.50  | 24.28  | 24.27   |            |          |
| 5                                                           | 1          | 24        |         | 24.32  | 24.25  | 24.26   |            |          |
| 5                                                           | 12         | 0         |         | 23.34  | 23.24  | 23.31   |            |          |
| 5                                                           | 12         | 7         |         | 23.32  | 23.25  | 23.30   |            |          |
| 5                                                           | 12         | 13        |         | 23.35  | 23.25  | 23.28   |            |          |
| 5                                                           | 25         | 0         |         | 23.38  | 23.27  | 23.36   |            |          |
| 5                                                           | 1          | 0         | 16-QAM  | 23.43  | 23.36  | 23.40   | 21.99      | 0.1581   |
| 5                                                           | 1          | 12        |         | 23.49  | 23.38  | 23.36   |            |          |
| 5                                                           | 1          | 24        |         | 23.43  | 23.38  | 23.39   |            |          |
| 5                                                           | 12         | 0         |         | 22.28  | 22.23  | 22.20   |            |          |
| 5                                                           | 12         | 7         |         | 22.32  | 22.25  | 22.28   |            |          |
| 5                                                           | 12         | 13        |         | 22.30  | 22.22  | 22.22   |            |          |
| 5                                                           | 25         | 0         |         | 22.42  | 22.34  | 22.40   |            |          |
| 5                                                           | 1          | 0         | 64-QAM  | 22.12  | 22.12  | 22.13   | 20.63      | 0.1156   |
| 5                                                           | 1          | 12        |         | 22.03  | 22.13  | 22.08   |            |          |
| 5                                                           | 1          | 24        |         | 22.13  | 22.13  | 22.07   |            |          |
| 5                                                           | 12         | 0         |         | 21.34  | 21.25  | 21.28   |            |          |
| 5                                                           | 12         | 7         |         | 21.35  | 21.29  | 21.34   |            |          |
| 5                                                           | 12         | 13        |         | 21.34  | 21.31  | 21.29   |            |          |
| 5                                                           | 25         | 0         |         | 21.40  | 21.29  | 21.38   |            |          |
| 5                                                           | 1          | 0         | 256-QAM | 19.18  | 19.15  | 19.12   | 17.68      | 0.0586   |
| 5                                                           | 1          | 12        |         | 18.84  | 18.95  | 18.80   |            |          |
| 5                                                           | 1          | 24        |         | 18.85  | 18.88  | 18.85   |            |          |
| 5                                                           | 12         | 0         |         | 19.05  | 19.11  | 19.07   |            |          |
| 5                                                           | 12         | 7         |         | 18.98  | 19.00  | 19.03   |            |          |
| 5                                                           | 12         | 13        |         | 18.98  | 19.01  | 18.90   |            |          |
| 5                                                           | 25         | 0         |         | 18.99  | 19.05  | 18.95   |            |          |
| Limit                                                       | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                                | 1          | 0         | QPSK    | 26.05  | 26.29  | 26.04   | 24.79      | 0.3013   |
| 20                                                                | 1          | 49        |         | 26.14  | 26.05  | 26.10   |            |          |
| 20                                                                | 1          | 99        |         | 26.00  | 25.96  | 25.91   |            |          |
| 20                                                                | 50         | 0         |         | 25.26  | 25.28  | 25.14   |            |          |
| 20                                                                | 50         | 24        |         | 25.25  | 25.11  | 25.11   |            |          |
| 20                                                                | 50         | 50        |         | 25.19  | 25.10  | 25.11   |            |          |
| 20                                                                | 100        | 0         |         | 25.20  | 25.22  | 25.14   |            |          |
| 20                                                                | 1          | 0         | 16-QAM  | 25.51  | 25.43  | 25.50   | 24.01      | 0.2518   |
| 20                                                                | 1          | 49        |         | 25.22  | 25.24  | 25.19   |            |          |
| 20                                                                | 1          | 99        |         | 25.17  | 25.19  | 25.08   |            |          |
| 20                                                                | 50         | 0         |         | 24.23  | 24.07  | 24.18   |            |          |
| 20                                                                | 50         | 24        |         | 24.17  | 24.07  | 24.11   |            |          |
| 20                                                                | 50         | 50        |         | 24.17  | 24.11  | 24.07   |            |          |
| 20                                                                | 100        | 0         |         | 24.18  | 24.12  | 24.12   |            |          |
| 20                                                                | 1          | 0         | 64-QAM  | 24.31  | 24.24  | 24.21   | 22.82      | 0.1914   |
| 20                                                                | 1          | 49        |         | 24.32  | 24.25  | 24.18   |            |          |
| 20                                                                | 1          | 99        |         | 24.17  | 24.21  | 24.09   |            |          |
| 20                                                                | 50         | 0         |         | 23.19  | 23.08  | 23.13   |            |          |
| 20                                                                | 50         | 24        |         | 23.17  | 23.07  | 23.12   |            |          |
| 20                                                                | 50         | 50        |         | 23.15  | 23.08  | 23.06   |            |          |
| 20                                                                | 100        | 0         |         | 23.18  | 23.09  | 23.16   |            |          |
| 20                                                                | 1          | 0         | 256-QAM | 20.98  | 21.07  | 21.03   | 19.57      | 0.0906   |
| 20                                                                | 1          | 49        |         | 20.82  | 20.92  | 20.84   |            |          |
| 20                                                                | 1          | 99        |         | 20.84  | 20.86  | 20.79   |            |          |
| 20                                                                | 50         | 0         |         | 20.91  | 21.00  | 20.94   |            |          |
| 20                                                                | 50         | 24        |         | 20.86  | 20.94  | 20.89   |            |          |
| 20                                                                | 50         | 50        |         | 20.82  | 20.92  | 20.82   |            |          |
| 20                                                                | 100        | 0         |         | 20.87  | 20.87  | 20.82   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                                | 1          | 0         | QPSK    | 26.11  | 26.01  | 26.09   | 24.61      | 0.2891   |
| 15                                                                | 1          | 37        |         | 25.95  | 25.73  | 25.79   |            |          |
| 15                                                                | 1          | 74        |         | 26.06  | 26.03  | 25.97   |            |          |
| 15                                                                | 36         | 0         |         | 25.20  | 25.07  | 25.14   |            |          |
| 15                                                                | 36         | 20        |         | 25.17  | 25.07  | 25.13   |            |          |
| 15                                                                | 36         | 39        |         | 25.17  | 25.08  | 25.08   |            |          |
| 15                                                                | 75         | 0         |         | 25.17  | 25.04  | 25.09   |            |          |
| 15                                                                | 1          | 0         | 16-QAM  | 25.28  | 25.32  | 25.40   | 23.90      | 0.2455   |
| 15                                                                | 1          | 37        |         | 25.01  | 24.82  | 24.83   |            |          |
| 15                                                                | 1          | 74        |         | 25.22  | 25.17  | 25.12   |            |          |
| 15                                                                | 36         | 0         |         | 24.13  | 24.06  | 24.09   |            |          |
| 15                                                                | 36         | 20        |         | 24.15  | 24.06  | 24.07   |            |          |
| 15                                                                | 36         | 39        |         | 24.15  | 24.09  | 24.05   |            |          |
| 15                                                                | 75         | 0         |         | 24.17  | 24.09  | 24.08   |            |          |
| 15                                                                | 1          | 0         | 64-QAM  | 24.37  | 24.20  | 24.25   | 22.87      | 0.1936   |
| 15                                                                | 1          | 37        |         | 24.12  | 23.96  | 23.88   |            |          |
| 15                                                                | 1          | 74        |         | 24.31  | 24.29  | 24.18   |            |          |
| 15                                                                | 36         | 0         |         | 23.15  | 23.05  | 23.08   |            |          |
| 15                                                                | 36         | 20        |         | 23.15  | 23.07  | 23.09   |            |          |
| 15                                                                | 36         | 39        |         | 23.13  | 23.08  | 23.04   |            |          |
| 15                                                                | 75         | 0         |         | 23.18  | 23.07  | 23.08   |            |          |
| 15                                                                | 1          | 0         | 256-QAM | 20.92  | 21.05  | 21.03   | 19.55      | 0.0902   |
| 15                                                                | 1          | 37        |         | 20.78  | 20.82  | 20.76   |            |          |
| 15                                                                | 1          | 74        |         | 20.81  | 20.76  | 20.75   |            |          |
| 15                                                                | 36         | 0         |         | 20.88  | 20.90  | 20.88   |            |          |
| 15                                                                | 36         | 20        |         | 20.77  | 20.88  | 20.83   |            |          |
| 15                                                                | 36         | 39        |         | 20.76  | 20.85  | 20.74   |            |          |
| 15                                                                | 75         | 0         |         | 20.80  | 20.82  | 20.79   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                                | 1          | 0         | QPSK    | 26.19  | 26.11  | 26.20   | 24.70      | 0.2951   |
| 10                                                                | 1          | 25        |         | 26.14  | 26.08  | 26.15   |            |          |
| 10                                                                | 1          | 49        |         | 26.17  | 26.14  | 26.12   |            |          |
| 10                                                                | 25         | 0         |         | 25.21  | 25.13  | 25.16   |            |          |
| 10                                                                | 25         | 12        |         | 25.21  | 25.12  | 25.13   |            |          |
| 10                                                                | 25         | 25        |         | 25.19  | 25.15  | 25.11   |            |          |
| 10                                                                | 50         | 0         |         | 25.26  | 25.17  | 25.22   |            |          |
| 10                                                                | 1          | 0         | 16-QAM  | 25.44  | 25.30  | 25.35   | 23.94      | 0.2477   |
| 10                                                                | 1          | 25        |         | 25.24  | 25.13  | 25.38   |            |          |
| 10                                                                | 1          | 49        |         | 25.17  | 25.43  | 25.17   |            |          |
| 10                                                                | 25         | 0         |         | 24.31  | 24.20  | 24.25   |            |          |
| 10                                                                | 25         | 12        |         | 24.27  | 24.18  | 24.24   |            |          |
| 10                                                                | 25         | 25        |         | 24.25  | 24.19  | 24.22   |            |          |
| 10                                                                | 50         | 0         |         | 24.21  | 24.13  | 24.22   |            |          |
| 10                                                                | 1          | 0         | 64-QAM  | 24.47  | 24.38  | 24.38   | 22.97      | 0.1982   |
| 10                                                                | 1          | 25        |         | 24.42  | 24.36  | 24.13   |            |          |
| 10                                                                | 1          | 49        |         | 24.42  | 24.23  | 24.22   |            |          |
| 10                                                                | 25         | 0         |         | 23.26  | 23.20  | 23.15   |            |          |
| 10                                                                | 25         | 12        |         | 23.26  | 23.20  | 23.18   |            |          |
| 10                                                                | 25         | 25        |         | 23.26  | 23.22  | 23.15   |            |          |
| 10                                                                | 50         | 0         |         | 23.28  | 23.19  | 23.19   |            |          |
| 10                                                                | 1          | 0         | 256-QAM | 20.94  | 21.06  | 20.93   | 19.56      | 0.0904   |
| 10                                                                | 1          | 25        |         | 20.81  | 20.86  | 20.74   |            |          |
| 10                                                                | 1          | 49        |         | 20.82  | 20.85  | 20.78   |            |          |
| 10                                                                | 25         | 0         |         | 20.82  | 20.99  | 20.85   |            |          |
| 10                                                                | 25         | 12        |         | 20.84  | 20.87  | 20.84   |            |          |
| 10                                                                | 25         | 25        |         | 20.73  | 20.87  | 20.82   |            |          |
| 10                                                                | 50         | 0         |         | 20.87  | 20.78  | 20.77   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = -1.5 dB) |            |           |         |        |        |         |            |          |
|-------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                          | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                                 | 1          | 0         | QPSK    | 26.20  | 26.14  | 26.17   | 24.70      | 0.2951   |
| 5                                                                 | 1          | 12        |         | 26.13  | 26.13  | 26.14   |            |          |
| 5                                                                 | 1          | 24        |         | 26.16  | 26.10  | 26.09   |            |          |
| 5                                                                 | 12         | 0         |         | 25.22  | 25.13  | 25.17   |            |          |
| 5                                                                 | 12         | 7         |         | 25.21  | 25.14  | 25.17   |            |          |
| 5                                                                 | 12         | 13        |         | 25.21  | 25.13  | 25.15   |            |          |
| 5                                                                 | 25         | 0         |         | 25.23  | 25.12  | 25.14   |            |          |
| 5                                                                 | 1          | 0         | 16-QAM  | 25.58  | 25.57  | 25.54   | 24.13      | 0.2588   |
| 5                                                                 | 1          | 12        |         | 25.49  | 25.49  | 25.61   |            |          |
| 5                                                                 | 1          | 24        |         | 25.63  | 25.60  | 25.59   |            |          |
| 5                                                                 | 12         | 0         |         | 24.30  | 24.22  | 24.24   |            |          |
| 5                                                                 | 12         | 7         |         | 24.30  | 24.24  | 24.25   |            |          |
| 5                                                                 | 12         | 13        |         | 24.28  | 24.27  | 24.21   |            |          |
| 5                                                                 | 25         | 0         |         | 24.29  | 24.22  | 24.17   |            |          |
| 5                                                                 | 1          | 0         | 64-QAM  | 24.30  | 24.32  | 24.15   | 22.82      | 0.1914   |
| 5                                                                 | 1          | 12        |         | 23.91  | 23.86  | 23.95   |            |          |
| 5                                                                 | 1          | 24        |         | 24.29  | 24.23  | 24.19   |            |          |
| 5                                                                 | 12         | 0         |         | 23.22  | 23.15  | 23.11   |            |          |
| 5                                                                 | 12         | 7         |         | 23.25  | 23.15  | 23.16   |            |          |
| 5                                                                 | 12         | 13        |         | 23.27  | 23.20  | 23.14   |            |          |
| 5                                                                 | 25         | 0         |         | 23.23  | 23.20  | 23.14   |            |          |
| 5                                                                 | 1          | 0         | 256-QAM | 20.89  | 21.04  | 21.01   | 19.54      | 0.0899   |
| 5                                                                 | 1          | 12        |         | 20.77  | 20.84  | 20.82   |            |          |
| 5                                                                 | 1          | 24        |         | 20.82  | 20.85  | 20.78   |            |          |
| 5                                                                 | 12         | 0         |         | 20.82  | 20.91  | 20.93   |            |          |
| 5                                                                 | 12         | 7         |         | 20.76  | 20.87  | 20.89   |            |          |
| 5                                                                 | 12         | 13        |         | 20.75  | 20.86  | 20.79   |            |          |
| 5                                                                 | 25         | 0         |         | 20.77  | 20.84  | 20.73   |            |          |
| Limit                                                             | Power < 2W |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                                  | 1          | 0         | QPSK    | 24.02  | -      | -       | 16.67     | 0.0465  |
| 15                                                                  | 1          | 37        |         | 23.94  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 23.96  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 23.05  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 23.02  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 23.07  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 23.12  | -      | -       |           |         |
| 15                                                                  | 1          | 0         | 16-QAM  | 23.38  | -      | -       | 16.03     | 0.0401  |
| 15                                                                  | 1          | 37        |         | 23.38  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 23.37  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 22.14  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 22.13  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 22.10  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 22.12  | -      | -       |           |         |
| 15                                                                  | 1          | 0         | 64-QAM  | 22.22  | -      | -       | 14.87     | 0.0307  |
| 15                                                                  | 1          | 37        |         | 22.21  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 22.20  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 21.19  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 21.19  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 21.15  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 21.13  | -      | -       |           |         |
| 15                                                                  | 1          | 0         | 256-QAM | 19.56  | -      | -       | 12.21     | 0.0166  |
| 15                                                                  | 1          | 37        |         | 19.32  | -      | -       |           |         |
| 15                                                                  | 1          | 74        |         | 19.06  | -      | -       |           |         |
| 15                                                                  | 36         | 0         |         | 19.41  | -      | -       |           |         |
| 15                                                                  | 36         | 20        |         | 19.15  | -      | -       |           |         |
| 15                                                                  | 36         | 39        |         | 19.14  | -      | -       |           |         |
| 15                                                                  | 75         | 0         |         | 19.27  | -      | -       |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                                  | 1          | 0         | QPSK    | -      | 24.02  | -       | 16.67     | 0.0465  |
| 10                                                                  | 1          | 25        |         | -      | 23.97  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 23.83  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 23.00  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 23.00  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 23.01  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 23.06  | -       |           |         |
| 10                                                                  | 1          | 0         | 16-QAM  | -      | 23.25  | -       | 15.90     | 0.0389  |
| 10                                                                  | 1          | 25        |         | -      | 23.21  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 23.13  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 22.13  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 22.11  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 22.08  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 22.09  | -       |           |         |
| 10                                                                  | 1          | 0         | 64-QAM  | -      | 22.25  | -       | 14.90     | 0.0309  |
| 10                                                                  | 1          | 25        |         | -      | 22.15  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 22.14  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 21.11  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 21.11  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 21.09  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 21.12  | -       |           |         |
| 10                                                                  | 1          | 0         | 256-QAM | -      | 19.57  | -       | 12.22     | 0.0167  |
| 10                                                                  | 1          | 25        |         | -      | 19.27  | -       |           |         |
| 10                                                                  | 1          | 49        |         | -      | 19.15  | -       |           |         |
| 10                                                                  | 25         | 0         |         | -      | 19.39  | -       |           |         |
| 10                                                                  | 25         | 12        |         | -      | 19.24  | -       |           |         |
| 10                                                                  | 25         | 25        |         | -      | 19.18  | -       |           |         |
| 10                                                                  | 50         | 0         |         | -      | 19.32  | -       |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                                   | 1          | 0         | QPSK    | 23.99  | 24.08  | 23.89   | 16.73     | 0.0471  |
| 5                                                                   | 1          | 12        |         | 23.85  | 23.87  | 23.75   |           |         |
| 5                                                                   | 1          | 24        |         | 23.95  | 23.88  | 23.88   |           |         |
| 5                                                                   | 12         | 0         |         | 22.98  | 22.99  | 22.93   |           |         |
| 5                                                                   | 12         | 7         |         | 22.92  | 22.82  | 22.97   |           |         |
| 5                                                                   | 12         | 13        |         | 22.97  | 22.92  | 23.04   |           |         |
| 5                                                                   | 25         | 0         |         | 23.05  | 23.05  | 23.13   |           |         |
| 5                                                                   | 1          | 0         | 16-QAM  | 23.34  | 23.40  | 23.33   | 16.16     | 0.0413  |
| 5                                                                   | 1          | 12        |         | 23.46  | 23.46  | 23.49   |           |         |
| 5                                                                   | 1          | 24        |         | 23.43  | 23.51  | 23.48   |           |         |
| 5                                                                   | 12         | 0         |         | 22.12  | 22.09  | 22.02   |           |         |
| 5                                                                   | 12         | 7         |         | 22.14  | 22.20  | 22.07   |           |         |
| 5                                                                   | 12         | 13        |         | 22.16  | 22.08  | 22.17   |           |         |
| 5                                                                   | 25         | 0         |         | 22.17  | 22.09  | 22.13   |           |         |
| 5                                                                   | 1          | 0         | 64-QAM  | 22.18  | 22.09  | 22.15   | 15.02     | 0.0318  |
| 5                                                                   | 1          | 12        |         | 22.17  | 22.20  | 22.24   |           |         |
| 5                                                                   | 1          | 24        |         | 22.30  | 22.37  | 22.30   |           |         |
| 5                                                                   | 12         | 0         |         | 21.12  | 21.11  | 21.04   |           |         |
| 5                                                                   | 12         | 7         |         | 21.14  | 21.19  | 21.23   |           |         |
| 5                                                                   | 12         | 13        |         | 21.14  | 21.18  | 21.04   |           |         |
| 5                                                                   | 25         | 0         |         | 21.13  | 21.12  | 21.06   |           |         |
| 5                                                                   | 1          | 0         | 256-QAM | 19.56  | 19.60  | 19.51   | 12.25     | 0.0168  |
| 5                                                                   | 1          | 12        |         | 19.31  | 19.27  | 19.27   |           |         |
| 5                                                                   | 1          | 24        |         | 19.01  | 19.08  | 18.91   |           |         |
| 5                                                                   | 12         | 0         |         | 19.36  | 19.38  | 19.39   |           |         |
| 5                                                                   | 12         | 7         |         | 19.10  | 19.03  | 19.08   |           |         |
| 5                                                                   | 12         | 13        |         | 19.11  | 19.15  | 19.17   |           |         |
| 5                                                                   | 25         | 0         |         | 19.25  | 19.19  | 19.19   |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                                   | 1          | 0         | QPSK    | 23.98  | 24.07  | 23.94   | 16.72     | 0.0470  |
| 3                                                                   | 1          | 8         |         | 23.89  | 23.94  | 23.99   |           |         |
| 3                                                                   | 1          | 14        |         | 23.89  | 23.87  | 23.81   |           |         |
| 3                                                                   | 8          | 0         |         | 23.01  | 22.95  | 22.94   |           |         |
| 3                                                                   | 8          | 4         |         | 22.97  | 23.03  | 23.06   |           |         |
| 3                                                                   | 8          | 7         |         | 23.02  | 23.08  | 23.04   |           |         |
| 3                                                                   | 15         | 0         |         | 23.03  | 22.99  | 22.99   |           |         |
| 3                                                                   | 1          | 0         | 16-QAM  | 23.37  | 23.32  | 23.39   | 16.08     | 0.0406  |
| 3                                                                   | 1          | 8         |         | 23.26  | 23.31  | 23.31   |           |         |
| 3                                                                   | 1          | 14        |         | 23.33  | 23.42  | 23.43   |           |         |
| 3                                                                   | 8          | 0         |         | 22.10  | 22.08  | 22.12   |           |         |
| 3                                                                   | 8          | 4         |         | 22.12  | 22.04  | 22.15   |           |         |
| 3                                                                   | 8          | 7         |         | 22.15  | 22.06  | 22.13   |           |         |
| 3                                                                   | 15         | 0         |         | 22.07  | 22.14  | 22.13   |           |         |
| 3                                                                   | 1          | 0         | 64-QAM  | 22.17  | 22.23  | 22.26   | 14.97     | 0.0314  |
| 3                                                                   | 1          | 8         |         | 22.16  | 22.18  | 22.11   |           |         |
| 3                                                                   | 1          | 14        |         | 22.32  | 22.25  | 22.26   |           |         |
| 3                                                                   | 8          | 0         |         | 21.12  | 21.09  | 21.10   |           |         |
| 3                                                                   | 8          | 4         |         | 21.13  | 21.19  | 21.15   |           |         |
| 3                                                                   | 8          | 7         |         | 21.16  | 21.23  | 21.06   |           |         |
| 3                                                                   | 15         | 0         |         | 21.10  | 21.11  | 21.06   |           |         |
| 3                                                                   | 1          | 0         | 256-QAM | 19.50  | 19.45  | 19.40   | 12.15     | 0.0164  |
| 3                                                                   | 1          | 8         |         | 19.27  | 19.18  | 19.35   |           |         |
| 3                                                                   | 1          | 14        |         | 19.03  | 19.08  | 19.10   |           |         |
| 3                                                                   | 8          | 0         |         | 19.40  | 19.34  | 19.48   |           |         |
| 3                                                                   | 8          | 4         |         | 19.10  | 19.13  | 19.18   |           |         |
| 3                                                                   | 8          | 7         |         | 19.09  | 19.18  | 19.04   |           |         |
| 3                                                                   | 15         | 0         |         | 19.18  | 19.26  | 19.20   |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



| Part90S LTE Band 26 Maximum Average Power [dBm] (GT - LC = -5.2 dB) |            |           |         |        |        |         |           |         |
|---------------------------------------------------------------------|------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                            | RB Size    | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                                 | 1          | 0         | QPSK    | 24.01  | 24.11  | 24.08   | 16.76     | 0.0474  |
| 1.4                                                                 | 1          | 3         |         | 23.96  | 23.98  | 23.87   |           |         |
| 1.4                                                                 | 1          | 5         |         | 23.92  | 23.91  | 23.92   |           |         |
| 1.4                                                                 | 3          | 0         |         | 23.96  | 23.98  | 23.94   |           |         |
| 1.4                                                                 | 3          | 1         |         | 23.98  | 23.89  | 23.91   |           |         |
| 1.4                                                                 | 3          | 3         |         | 23.96  | 24.03  | 23.95   |           |         |
| 1.4                                                                 | 6          | 0         |         | 23.04  | 23.13  | 23.06   |           |         |
| 1.4                                                                 | 1          | 0         | 16-QAM  | 23.32  | 23.39  | 23.23   | 16.04     | 0.0402  |
| 1.4                                                                 | 1          | 3         |         | 23.24  | 23.14  | 23.24   |           |         |
| 1.4                                                                 | 1          | 5         |         | 23.27  | 23.17  | 23.18   |           |         |
| 1.4                                                                 | 3          | 0         |         | 23.05  | 23.13  | 23.12   |           |         |
| 1.4                                                                 | 3          | 1         |         | 23.02  | 23.02  | 22.95   |           |         |
| 1.4                                                                 | 3          | 3         |         | 23.09  | 23.19  | 23.08   |           |         |
| 1.4                                                                 | 6          | 0         |         | 22.10  | 22.11  | 22.17   |           |         |
| 1.4                                                                 | 1          | 0         | 64-QAM  | 22.26  | 22.23  | 22.34   | 14.99     | 0.0316  |
| 1.4                                                                 | 1          | 3         |         | 22.04  | 22.11  | 22.03   |           |         |
| 1.4                                                                 | 1          | 5         |         | 22.19  | 22.23  | 22.14   |           |         |
| 1.4                                                                 | 3          | 0         |         | 22.11  | 22.01  | 22.05   |           |         |
| 1.4                                                                 | 3          | 1         |         | 22.16  | 22.23  | 22.06   |           |         |
| 1.4                                                                 | 3          | 3         |         | 22.19  | 22.16  | 22.20   |           |         |
| 1.4                                                                 | 6          | 0         |         | 21.07  | 21.06  | 21.02   |           |         |
| 1.4                                                                 | 1          | 0         | 256-QAM | 19.47  | 19.42  | 19.42   | 12.12     | 0.0163  |
| 1.4                                                                 | 1          | 3         |         | 19.31  | 19.25  | 19.38   |           |         |
| 1.4                                                                 | 1          | 5         |         | 19.01  | 19.00  | 19.07   |           |         |
| 1.4                                                                 | 3          | 0         |         | 19.37  | 19.32  | 19.40   |           |         |
| 1.4                                                                 | 3          | 1         |         | 19.12  | 19.08  | 19.08   |           |         |
| 1.4                                                                 | 3          | 3         |         | 19.12  | 19.17  | 19.14   |           |         |
| 1.4                                                                 | 6          | 0         |         | 19.19  | 19.27  | 19.20   |           |         |
| Limit                                                               | ERP < 100W |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.2 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15                                                                   | 1              | 0         | QPSK    | -      | 23.99  | -       | 16.65     | 0.0462  |
| 15                                                                   | 1              | 37        |         | -      | 23.88  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 24.00  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 23.05  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 23.02  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 23.11  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 23.17  | -       |           |         |
| 15                                                                   | 1              | 0         | 16-QAM  | -      | 23.36  | -       | 16.06     | 0.0404  |
| 15                                                                   | 1              | 37        |         | -      | 23.38  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 23.41  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 22.10  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 22.08  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 22.20  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 22.11  | -       |           |         |
| 15                                                                   | 1              | 0         | 64-QAM  | -      | 22.22  | -       | 14.95     | 0.0313  |
| 15                                                                   | 1              | 37        |         | -      | 22.30  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 22.13  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 21.11  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 21.29  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 21.25  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 21.05  | -       |           |         |
| 15                                                                   | 1              | 0         | 256-QAM | -      | 19.63  | -       | 12.28     | 0.0169  |
| 15                                                                   | 1              | 37        |         | -      | 19.24  | -       |           |         |
| 15                                                                   | 1              | 74        |         | -      | 19.00  | -       |           |         |
| 15                                                                   | 36             | 0         |         | -      | 19.35  | -       |           |         |
| 15                                                                   | 36             | 20        |         | -      | 19.24  | -       |           |         |
| 15                                                                   | 36             | 39        |         | -      | 19.21  | -       |           |         |
| 15                                                                   | 75             | 0         |         | -      | 19.36  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.2 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10                                                                   | 1              | 0         | QPSK    | -      | 24.02  | -       | 16.67     | 0.0465  |
| 10                                                                   | 1              | 25        |         | -      | 23.86  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 23.90  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 22.97  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 22.91  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 23.01  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 23.11  | -       |           |         |
| 10                                                                   | 1              | 0         | 16-QAM  | -      | 23.27  | -       | 15.99     | 0.0397  |
| 10                                                                   | 1              | 25        |         | -      | 23.34  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 23.28  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 22.21  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 22.10  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 22.17  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 22.07  | -       |           |         |
| 10                                                                   | 1              | 0         | 64-QAM  | -      | 22.12  | -       | 15.04     | 0.0319  |
| 10                                                                   | 1              | 25        |         | -      | 22.31  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 22.39  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 21.16  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 21.17  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 21.00  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 21.20  | -       |           |         |
| 10                                                                   | 1              | 0         | 256-QAM | -      | 19.59  | -       | 12.24     | 0.0167  |
| 10                                                                   | 1              | 25        |         | -      | 19.19  | -       |           |         |
| 10                                                                   | 1              | 49        |         | -      | 19.05  | -       |           |         |
| 10                                                                   | 25             | 0         |         | -      | 19.35  | -       |           |         |
| 10                                                                   | 25             | 12        |         | -      | 19.16  | -       |           |         |
| 10                                                                   | 25             | 25        |         | -      | 19.20  | -       |           |         |
| 10                                                                   | 50             | 0         |         | -      | 19.19  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.2 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5                                                                    | 1              | 0         | QPSK    | -      | 24.06  | -       | 16.71     | 0.0469  |
| 5                                                                    | 1              | 12        |         | -      | 23.86  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 24.01  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 23.04  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 22.99  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 23.01  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 23.03  | -       |           |         |
| 5                                                                    | 1              | 0         | 16-QAM  | -      | 23.25  | -       | 16.19     | 0.0416  |
| 5                                                                    | 1              | 12        |         | -      | 23.54  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 23.49  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 22.11  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 22.19  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 22.22  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 22.27  | -       |           |         |
| 5                                                                    | 1              | 0         | 64-QAM  | -      | 22.09  | -       | 14.92     | 0.0310  |
| 5                                                                    | 1              | 12        |         | -      | 22.27  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 22.20  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 21.18  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 21.19  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 21.16  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 21.11  | -       |           |         |
| 5                                                                    | 1              | 0         | 256-QAM | -      | 19.55  | -       | 12.20     | 0.0166  |
| 5                                                                    | 1              | 12        |         | -      | 19.28  | -       |           |         |
| 5                                                                    | 1              | 24        |         | -      | 19.10  | -       |           |         |
| 5                                                                    | 12             | 0         |         | -      | 19.39  | -       |           |         |
| 5                                                                    | 12             | 7         |         | -      | 19.18  | -       |           |         |
| 5                                                                    | 12             | 13        |         | -      | 19.09  | -       |           |         |
| 5                                                                    | 25             | 0         |         | -      | 19.24  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.2 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3                                                                    | 1              | 0         | QPSK    | -      | 23.98  | -       | 16.63     | 0.0460  |
| 3                                                                    | 1              | 8         |         | -      | 23.88  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 23.85  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 23.10  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 23.03  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 23.00  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 22.93  | -       |           |         |
| 3                                                                    | 1              | 0         | 16-QAM  | -      | 23.27  | -       | 15.92     | 0.0391  |
| 3                                                                    | 1              | 8         |         | -      | 23.16  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 23.27  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 22.06  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 22.13  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 22.14  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 22.05  | -       |           |         |
| 3                                                                    | 1              | 0         | 64-QAM  | -      | 22.26  | -       | 14.91     | 0.0310  |
| 3                                                                    | 1              | 8         |         | -      | 22.22  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 22.25  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 21.05  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 21.08  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 21.14  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 21.18  | -       |           |         |
| 3                                                                    | 1              | 0         | 256-QAM | -      | 19.46  | -       | 12.11     | 0.0163  |
| 3                                                                    | 1              | 8         |         | -      | 19.35  | -       |           |         |
| 3                                                                    | 1              | 14        |         | -      | 19.12  | -       |           |         |
| 3                                                                    | 8              | 0         |         | -      | 19.45  | -       |           |         |
| 3                                                                    | 8              | 4         |         | -      | 19.05  | -       |           |         |
| 3                                                                    | 8              | 7         |         | -      | 19.14  | -       |           |         |
| 3                                                                    | 15             | 0         |         | -      | 19.17  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 26 Straddle Maximum Average Power [dBm] (GT - LC = -5.2 dB) |                |           |         |        |        |         |           |         |
|----------------------------------------------------------------------|----------------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                             | RB Size        | RB Offset | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4                                                                  | 1              | 0         | QPSK    | -      | 23.95  | -       | 16.66     | 0.0463  |
| 1.4                                                                  | 1              | 3         |         | -      | 24.01  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 23.98  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 23.97  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 24.00  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 23.92  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 22.99  | -       |           |         |
| 1.4                                                                  | 1              | 0         | 16-QAM  | -      | 23.25  | -       | 15.96     | 0.0394  |
| 1.4                                                                  | 1              | 3         |         | -      | 23.31  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 23.30  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 22.96  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 22.99  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 23.09  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 22.05  | -       |           |         |
| 1.4                                                                  | 1              | 0         | 64-QAM  | -      | 22.20  | -       | 14.93     | 0.0311  |
| 1.4                                                                  | 1              | 3         |         | -      | 21.94  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 22.28  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 22.17  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 22.24  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 22.09  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 21.11  | -       |           |         |
| 1.4                                                                  | 1              | 0         | 256-QAM | -      | 19.48  | -       | 12.13     | 0.0163  |
| 1.4                                                                  | 1              | 3         |         | -      | 19.38  | -       |           |         |
| 1.4                                                                  | 1              | 5         |         | -      | 19.02  | -       |           |         |
| 1.4                                                                  | 3              | 0         |         | -      | 19.31  | -       |           |         |
| 1.4                                                                  | 3              | 1         |         | -      | 19.08  | -       |           |         |
| 1.4                                                                  | 3              | 3         |         | -      | 19.19  | -       |           |         |
| 1.4                                                                  | 6              | 0         |         | -      | 19.28  | -       |           |         |
| Limit                                                                | Reporting only |           |         | Result |        |         | N/A       |         |



| LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |           |         |        |        |         |           |         |
|----------------------------------------------------------------|----------|-----------|---------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                       | PCC      |           | SCC     |           | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
|                                                                | RB Size  | RB Offset | RB Size | RB Offset |         |        |        |         |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | QPSK    | 21.23  | 20.91  | 20.87   | 15.15     | 0.0327  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 15.70  | 15.83  | 15.80   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 22.60  | 22.58  | 22.39   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 16-QAM  | 19.94  | 20.19  | 19.84   | 14.83     | 0.0304  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 16.15  | 16.23  | 16.22   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 21.89  | 22.28  | 21.86   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 64-QAM  | 19.94  | 19.87  | 19.86   | 12.49     | 0.0177  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 16.15  | 16.30  | 16.17   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 19.94  | 19.92  | 19.85   |           |         |
| 10+10                                                          | 50       | 0         | 50      | 0         | 256-QAM | 17.93  | 17.88  | 17.83   | 10.48     | 0.0112  |
| 10+10                                                          | 1        | 0         | 1       | 49        |         | 16.09  | 16.28  | 16.12   |           |         |
| 10+10                                                          | 1        | 49        | 1       | 0         |         | 17.85  | 17.93  | 17.86   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | QPSK    | 21.07  | 20.78  | 20.77   | 15.06     | 0.0321  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 13.76  | 13.83  | 13.85   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 22.51  | 22.36  | 22.41   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 16-QAM  | 19.91  | 19.75  | 19.95   | 14.74     | 0.0298  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 14.17  | 14.14  | 14.13   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 22.00  | 22.19  | 21.92   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 64-QAM  | 19.96  | 19.80  | 19.77   | 12.51     | 0.0178  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 14.17  | 14.28  | 14.24   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 19.93  | 19.84  | 19.85   |           |         |
| 10+5                                                           | 50       | 0         | 25      | 0         | 256-QAM | 17.91  | 17.78  | 17.72   | 10.46     | 0.0111  |
| 10+5                                                           | 1        | 0         | 1       | 24        |         | 14.18  | 14.17  | 14.12   |           |         |
| 10+5                                                           | 1        | 49        | 1       | 0         |         | 17.90  | 17.79  | 17.91   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | QPSK    | 20.96  | 20.88  | 20.99   | 15.69     | 0.0371  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 13.86  | 13.80  | 13.79   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 23.14  | 22.63  | 22.49   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 16-QAM  | 19.95  | 19.89  | 20.28   | 14.65     | 0.0292  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 14.26  | 14.17  | 14.30   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 22.10  | 21.87  | 21.77   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 64-QAM  | 19.93  | 19.86  | 20.29   | 12.84     | 0.0192  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 14.24  | 14.12  | 14.24   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 19.95  | 19.97  | 19.88   |           |         |
| 5+10                                                           | 25       | 0         | 50      | 0         | 256-QAM | 17.96  | 17.85  | 17.71   | 10.53     | 0.0113  |
| 5+10                                                           | 1        | 0         | 1       | 49        |         | 14.18  | 14.12  | 14.16   |           |         |
| 5+10                                                           | 1        | 24        | 1       | 0         |         | 17.86  | 17.98  | 17.92   |           |         |
| Limit                                                          | ERP < 7W |           |         |           |         | Result |        |         | Pass      |         |



# FCC RADIO TEST REPORT

Report No. : FG451607F

| LTE Band 5B_CA Maximum Average Power [dBm] (GT - LC = -5.3 dB) |          |           |         |           |         |        |        |         |           |         |
|----------------------------------------------------------------|----------|-----------|---------|-----------|---------|--------|--------|---------|-----------|---------|
| BW [MHz]                                                       | PCC      |           | SCC     |           | Mod     | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
|                                                                | RB Size  | RB Offset | RB Size | RB Offset |         |        |        |         |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | QPSK    | 22.94  | 22.77  | 23.14   | 15.80     | 0.0380  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 14.19  | 14.10  | 14.05   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 23.25  | 22.72  | 23.25   |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | 16-QAM  | 22.93  | 23.06  | 22.62   | 15.61     | 0.0364  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 14.62  | 14.73  | 14.52   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 23.01  | 22.92  | 22.80   |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | 64-QAM  | 22.90  | 22.72  | 22.70   | 15.45     | 0.0351  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 14.62  | 14.50  | 14.37   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 22.84  | 22.75  | 22.78   |           |         |
| 5+3                                                            | 25       | 0         | 15      | 0         | 256-QAM | 23.03  | 22.72  | 22.83   | 15.63     | 0.0366  |
| 5+3                                                            | 1        | 0         | 1       | 14        |         | 14.51  | 14.50  | 14.39   |           |         |
| 5+3                                                            | 1        | 24        | 1       | 0         |         | 22.83  | 23.08  | 22.58   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | QPSK    | 22.88  | 22.80  | 22.83   | 16.68     | 0.0466  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.36  | 14.23  | 14.28   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 22.65  | 22.57  | 24.13   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | 16-QAM  | 22.88  | 22.77  | 22.76   | 16.06     | 0.0404  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.63  | 14.41  | 14.58   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 22.91  | 22.90  | 23.51   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | 64-QAM  | 22.82  | 22.74  | 22.74   | 15.51     | 0.0356  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.48  | 14.64  | 14.65   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 22.96  | 22.96  | 22.51   |           |         |
| 3+5                                                            | 15       | 0         | 25      | 0         | 256-QAM | 23.11  | 22.71  | 23.04   | 15.66     | 0.0368  |
| 3+5                                                            | 1        | 0         | 1       | 24        |         | 14.52  | 14.49  | 14.48   |           |         |
| 3+5                                                            | 1        | 14        | 1       | 0         |         | 22.80  | 22.67  | 19.46   |           |         |
| Limit                                                          | ERP < 7W |           |         |           |         | Result |        |         | Pass      |         |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.5 dB) |           |           |         |           |         |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | QPSK    | 19.72  | 20.00  | 20.21   | 21.01      | 0.1262   |
| 20+20                                                           | 1         | 0         | 0       | 0         |         | 22.12  | 22.15  | 22.51   |            |          |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 15.49  | 15.77  | 16.00   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 15.55  | 15.75  | 15.93   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 16-QAM  | 19.79  | 20.09  | 20.25   | 20.71      | 0.1176   |
| 20+20                                                           | 1         | 0         | 0       | 0         |         | 22.04  | 22.21  | 22.18   |            |          |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 15.18  | 15.36  | 15.70   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 15.21  | 15.40  | 15.64   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 64-QAM  | 18.77  | 19.03  | 19.22   | 17.72      | 0.0592   |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 14.00  | 14.50  | 14.90   |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 14.05  | 14.53  | 14.77   |            |          |
| 20+20                                                           | 100       | 0         | 100     | 0         | 256-QAM | 17.80  | 18.08  | 18.28   | 16.78      | 0.0476   |
| 20+20                                                           | 1         | 0         | 1       | 99        |         | 7.46   | 7.72   | 8.09    |            |          |
| 20+20                                                           | 1         | 99        | 1       | 0         |         | 7.49   | 7.73   | 7.97    |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | QPSK    | 19.80  | 20.05  | 20.23   | 20.77      | 0.1193   |
| 20+15                                                           | 1         | 0         | 0       | 0         |         | 22.27  | 22.01  | 22.17   |            |          |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 15.52  | 15.79  | 16.05   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 15.53  | 15.79  | 15.92   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 16-QAM  | 19.82  | 20.10  | 20.27   | 20.86      | 0.1219   |
| 20+15                                                           | 1         | 0         | 0       | 0         |         | 22.18  | 22.16  | 22.36   |            |          |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 15.11  | 15.52  | 15.71   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 15.13  | 15.53  | 15.67   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 64-QAM  | 18.77  | 19.08  | 19.23   | 17.73      | 0.0593   |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 14.28  | 14.61  | 14.74   |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 14.32  | 14.60  | 14.60   |            |          |
| 20+15                                                           | 100       | 0         | 75      | 0         | 256-QAM | 17.82  | 18.07  | 18.27   | 16.77      | 0.0475   |
| 20+15                                                           | 1         | 0         | 1       | 74        |         | 7.76   | 7.71   | 8.09    |            |          |
| 20+15                                                           | 1         | 99        | 1       | 0         |         | 7.45   | 7.74   | 7.97    |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | QPSK    | 19.78  | 20.06  | 20.22   | 20.80      | 0.1202   |
| 15+20                                                           | 1         | 0         | 0       | 0         |         | 22.30  | 22.01  | 22.06   |            |          |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 15.51  | 15.76  | 15.99   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 15.58  | 15.76  | 15.95   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 16-QAM  | 19.79  | 20.07  | 20.25   | 20.86      | 0.1218   |
| 15+20                                                           | 1         | 0         | 0       | 0         |         | 22.13  | 22.36  | 22.21   |            |          |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 15.30  | 15.38  | 15.67   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 15.41  | 15.41  | 15.66   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 64-QAM  | 18.82  | 19.06  | 19.25   | 17.75      | 0.0596   |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 14.08  | 14.44  | 14.56   |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 14.28  | 14.37  | 14.42   |            |          |
| 15+20                                                           | 75        | 0         | 100     | 0         | 256-QAM | 17.82  | 18.07  | 18.25   | 16.75      | 0.0473   |
| 15+20                                                           | 1         | 0         | 1       | 99        |         | 7.47   | 7.77   | 8.00    |            |          |
| 15+20                                                           | 1         | 74        | 1       | 0         |         | 7.52   | 7.68   | 7.91    |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |         | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.5 dB) |           |           |         |           |         |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | QPSK    | 19.77  | 20.07  | 20.22   | 20.86      | 0.1220   |
| 20+10                                                           | 1         | 0         | 0       | 0         |         | 22.36  | 22.18  | 22.08   |            |          |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 15.51  | 15.81  | 16.04   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 15.52  | 15.75  | 15.96   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 16-QAM  | 19.80  | 20.10  | 20.26   | 20.89      | 0.1228   |
| 20+10                                                           | 1         | 0         | 0       | 0         |         | 22.39  | 22.33  | 22.23   |            |          |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 15.21  | 15.53  | 15.71   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 15.19  | 15.46  | 15.58   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 64-QAM  | 18.78  | 19.08  | 19.25   | 17.75      | 0.0596   |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 14.17  | 14.42  | 14.80   |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 14.21  | 14.37  | 14.61   |            |          |
| 20+10                                                           | 100       | 0         | 50      | 0         | 256-QAM | 17.82  | 18.10  | 18.28   | 16.78      | 0.0476   |
| 20+10                                                           | 1         | 0         | 1       | 49        |         | 7.38   | 7.73   | 8.27    |            |          |
| 20+10                                                           | 1         | 99        | 1       | 0         |         | 7.34   | 7.70   | 7.92    |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | QPSK    | 19.75  | 20.01  | 20.20   | 20.82      | 0.1209   |
| 10+20                                                           | 1         | 0         | 0       | 0         |         | 22.03  | 22.32  | 22.16   |            |          |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 15.48  | 15.71  | 15.96   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 15.50  | 15.72  | 15.91   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 16-QAM  | 19.74  | 20.01  | 20.20   | 20.89      | 0.1227   |
| 10+20                                                           | 1         | 0         | 0       | 0         |         | 22.13  | 22.07  | 22.39   |            |          |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 15.14  | 15.56  | 15.82   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 15.18  | 15.50  | 15.72   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 64-QAM  | 18.78  | 19.06  | 19.24   | 17.74      | 0.0594   |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 14.08  | 14.27  | 14.51   |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 14.25  | 14.23  | 14.70   |            |          |
| 10+20                                                           | 50        | 0         | 100     | 0         | 256-QAM | 17.84  | 18.08  | 18.27   | 16.77      | 0.0475   |
| 10+20                                                           | 1         | 0         | 1       | 99        |         | 7.31   | 7.30   | 7.72    |            |          |
| 10+20                                                           | 1         | 49        | 1       | 0         |         | 7.34   | 7.36   | 7.63    |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | QPSK    | 19.77  | 20.09  | 20.25   | 20.84      | 0.1215   |
| 20+5                                                            | 1         | 0         | 0       | 0         |         | 22.23  | 22.34  | 22.04   |            |          |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 15.50  | 15.83  | 16.05   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 15.52  | 15.74  | 15.93   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 16-QAM  | 19.78  | 20.14  | 20.27   | 20.67      | 0.1167   |
| 20+5                                                            | 1         | 0         | 0       | 0         |         | 22.17  | 22.11  | 22.17   |            |          |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 15.21  | 15.55  | 15.84   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 15.21  | 15.32  | 15.58   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 64-QAM  | 18.78  | 19.07  | 19.25   | 17.75      | 0.0596   |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 14.20  | 14.65  | 14.78   |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 14.49  | 14.55  | 14.59   |            |          |
| 20+5                                                            | 100       | 0         | 25      | 0         | 256-QAM | 17.79  | 18.12  | 18.27   | 16.77      | 0.0475   |
| 20+5                                                            | 1         | 0         | 1       | 24        |         | 7.55   | 7.67   | 8.21    |            |          |
| 20+5                                                            | 1         | 99        | 1       | 0         |         | 7.34   | 7.63   | 8.01    |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |         | Result |        |         | Pass       |          |



| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.5 dB) |           |           |         |           |         |        |        |         |            |          |
|-----------------------------------------------------------------|-----------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                        | PCC       |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                 | RB Size   | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | QPSK    | 19.82  | 20.09  | 20.26   | 20.76      | 0.1192   |
| 5+20                                                            | 1         | 0         | 0       | 0         |         | 22.10  | 22.26  | 22.06   |            |          |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 15.52  | 15.74  | 15.97   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 15.47  | 15.71  | 15.90   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 16-QAM  | 19.85  | 20.11  | 20.23   | 20.90      | 0.1230   |
| 5+20                                                            | 1         | 0         | 0       | 0         |         | 22.40  | 22.11  | 22.09   |            |          |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 15.16  | 15.54  | 15.74   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 15.22  | 15.56  | 15.75   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 64-QAM  | 18.79  | 19.13  | 19.22   | 17.72      | 0.0592   |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 14.16  | 14.40  | 14.96   |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 14.19  | 14.21  | 14.85   |            |          |
| 5+20                                                            | 25        | 0         | 100     | 0         | 256-QAM | 17.87  | 18.12  | 18.33   | 16.83      | 0.0482   |
| 5+20                                                            | 1         | 0         | 1       | 99        |         | 7.52   | 7.63   | 7.88    |            |          |
| 5+20                                                            | 1         | 24        | 1       | 0         |         | 7.50   | 7.43   | 7.86    |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | QPSK    | 19.79  | 20.09  | 20.22   | 20.76      | 0.1192   |
| 15+10                                                           | 1         | 0         | 0       | 0         |         | 22.06  | 22.21  | 22.26   |            |          |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 15.51  | 15.79  | 15.99   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 15.53  | 15.78  | 15.94   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 16-QAM  | 19.79  | 20.07  | 20.20   | 20.86      | 0.1220   |
| 15+10                                                           | 1         | 0         | 0       | 0         |         | 22.07  | 22.30  | 22.36   |            |          |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 15.24  | 15.51  | 15.85   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 15.25  | 15.45  | 15.78   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 64-QAM  | 18.79  | 19.11  | 19.27   | 17.77      | 0.0598   |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 14.02  | 14.36  | 14.61   |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 14.00  | 14.38  | 14.51   |            |          |
| 15+10                                                           | 75        | 0         | 50      | 0         | 256-QAM | 17.84  | 18.11  | 18.28   | 16.78      | 0.0476   |
| 15+10                                                           | 1         | 0         | 1       | 49        |         | 7.51   | 7.55   | 7.85    |            |          |
| 15+10                                                           | 1         | 74        | 1       | 0         |         | 7.40   | 7.57   | 7.52    |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | QPSK    | 19.76  | 20.04  | 20.23   | 20.86      | 0.1220   |
| 10+15                                                           | 1         | 0         | 0       | 0         |         | 22.17  | 22.36  | 22.29   |            |          |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 15.49  | 15.74  | 15.98   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 15.54  | 15.75  | 15.96   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 16-QAM  | 19.78  | 20.01  | 20.24   | 20.86      | 0.1219   |
| 10+15                                                           | 1         | 0         | 0       | 0         |         | 22.36  | 22.13  | 22.06   |            |          |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 15.12  | 15.40  | 15.68   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 14.92  | 15.38  | 15.65   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 64-QAM  | 18.81  | 19.07  | 19.26   | 17.76      | 0.0597   |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 14.36  | 14.39  | 14.39   |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 14.42  | 14.19  | 14.28   |            |          |
| 10+15                                                           | 50        | 0         | 75      | 0         | 256-QAM | 17.84  | 18.10  | 18.31   | 16.81      | 0.0480   |
| 10+15                                                           | 1         | 0         | 1       | 74        |         | 7.55   | 7.61   | 7.74    |            |          |
| 10+15                                                           | 1         | 49        | 1       | 0         |         | 7.60   | 7.65   | 7.72    |            |          |
| Limit                                                           | EIRP < 2W |           |         |           |         | Result |        |         | Pass       |          |



# FCC RADIO TEST REPORT

Report No. : FG451607F

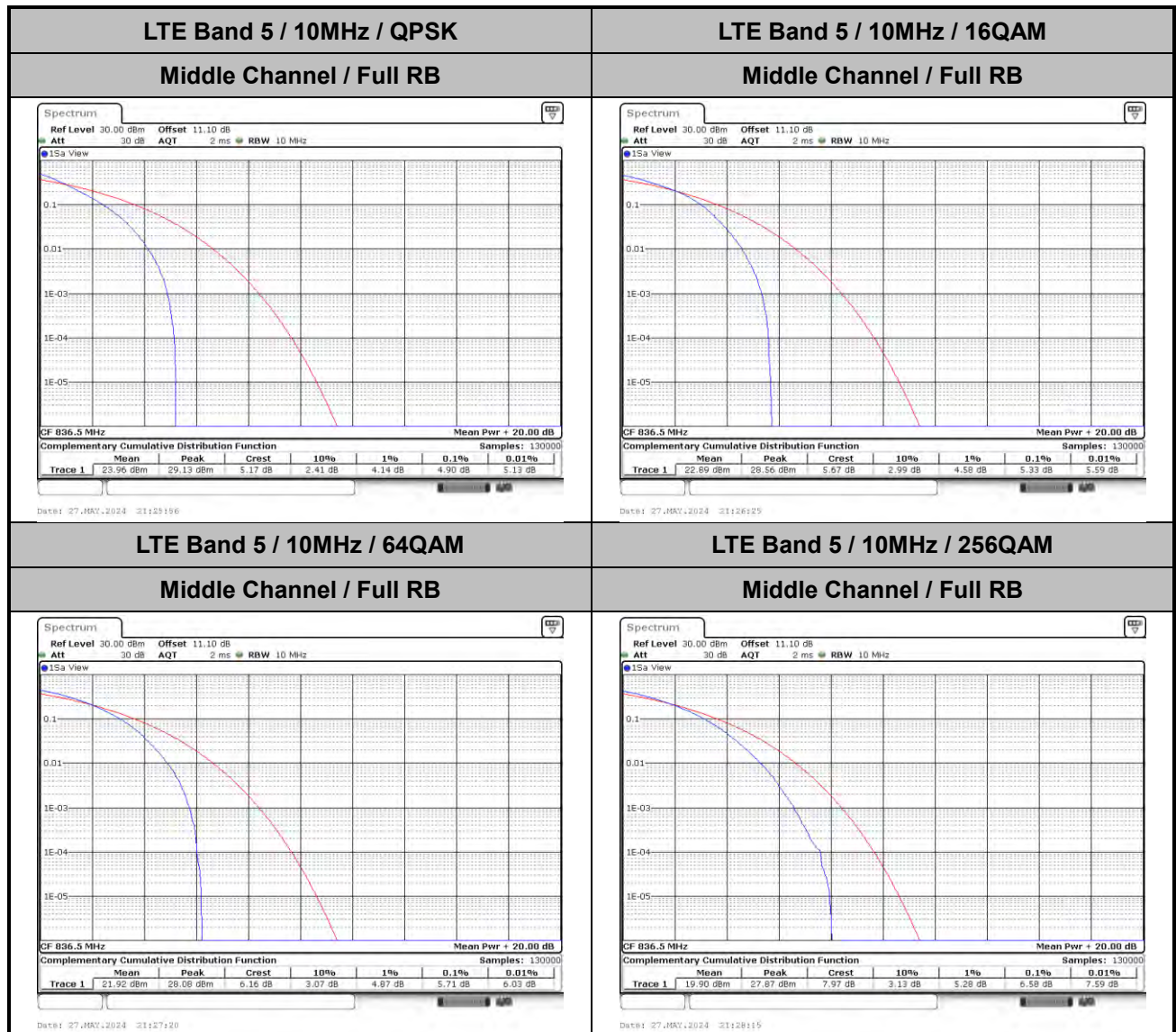
| LTE Band 41C_CA Maximum Average Power [dBm] (GT - LC = -1.5 dB) |           |    |    |    |         |        |       |       |       |        |
|-----------------------------------------------------------------|-----------|----|----|----|---------|--------|-------|-------|-------|--------|
| 15+15                                                           | 75        | 0  | 75 | 0  | QPSK    | 19.78  | 20.09 | 20.25 | 20.90 | 0.1230 |
| 15+15                                                           | 1         | 0  | 0  | 0  |         | 22.16  | 22.40 | 22.28 |       |        |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 15.50  | 15.78 | 16.02 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 15.55  | 15.79 | 15.93 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 16-QAM  | 19.80  | 20.05 | 20.25 | 20.84 | 0.1215 |
| 15+15                                                           | 1         | 0  | 0  | 0  |         | 22.20  | 22.34 | 22.17 |       |        |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 15.24  | 15.43 | 15.81 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 15.30  | 15.48 | 15.74 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 64-QAM  | 18.83  | 19.11 | 19.25 | 17.75 | 0.0596 |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 13.99  | 14.56 | 14.38 |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 14.15  | 14.59 | 14.31 |       |        |
| 15+15                                                           | 75        | 0  | 75 | 0  | 256-QAM | 17.86  | 18.09 | 18.29 | 16.79 | 0.0478 |
| 15+15                                                           | 1         | 0  | 1  | 74 |         | 7.41   | 7.40  | 7.76  |       |        |
| 15+15                                                           | 1         | 74 | 1  | 0  |         | 7.45   | 7.45  | 7.65  |       |        |
| Limit                                                           | EIRP < 2W |    |    |    |         | Result |       |       | Pass  |        |



## LTE Band 5

## Peak-to-Average Ratio

| Mode      | LTE Band 5 / 10MHz |         |         |         |             |
|-----------|--------------------|---------|---------|---------|-------------|
| Mod.      | QPSK               | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB            | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.90               | 5.33    | 5.71    | 6.58    | PASS        |



**26dB Bandwidth**

| Mode      | LTE Band 5 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|---------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                    |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                      | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 1.28                      | 1.29   | 3.11  | 3.06   | 5.29  | 5.41   | 10.44 | 10.16  | -     | -      | -     | -      |
| Mode      | LTE Band 5 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                    |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                     | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.33                      | 1.27   | 3.06  | 3.16   | 5.17  | 5.22   | 10.13 | 9.99   | -     | -      | -     | -      |

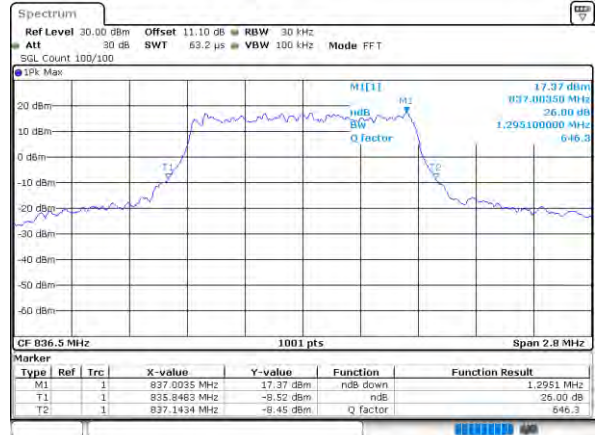


## LTE Band 5

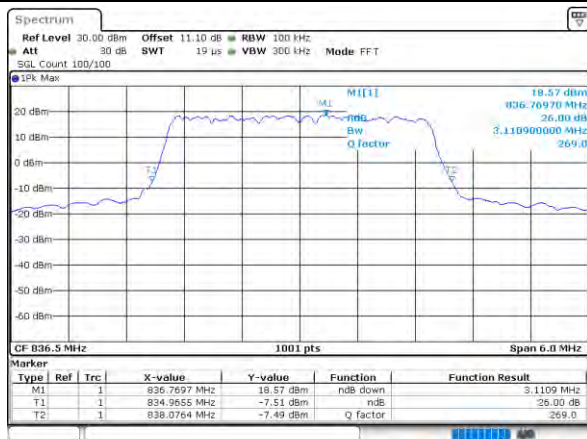
## Middle Channel / 1.4MHz / QPSK



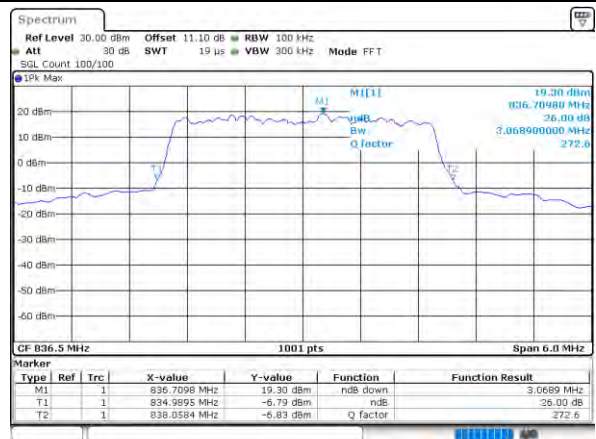
## Middle Channel / 1.4MHz / 16QAM



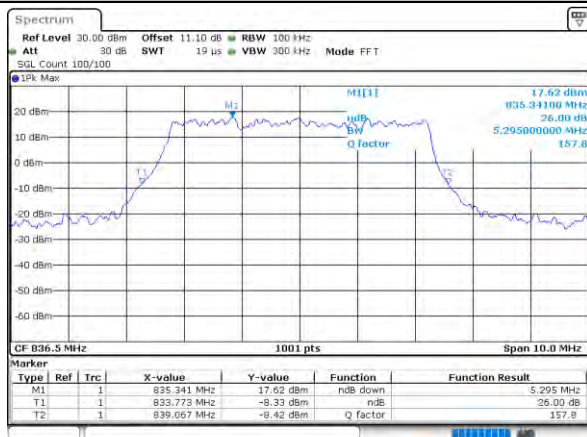
## Middle Channel / 3MHz / QPSK



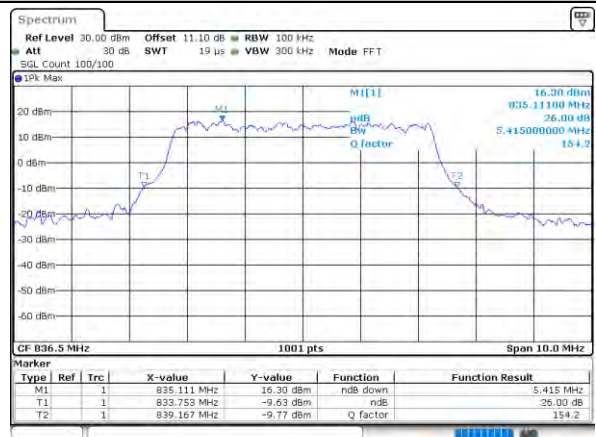
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



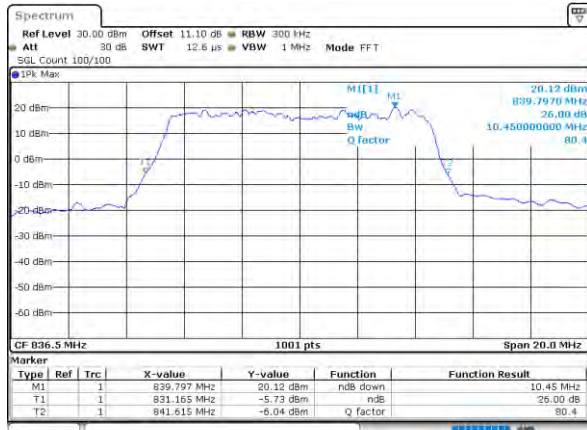
## Middle Channel / 5MHz / 16QAM



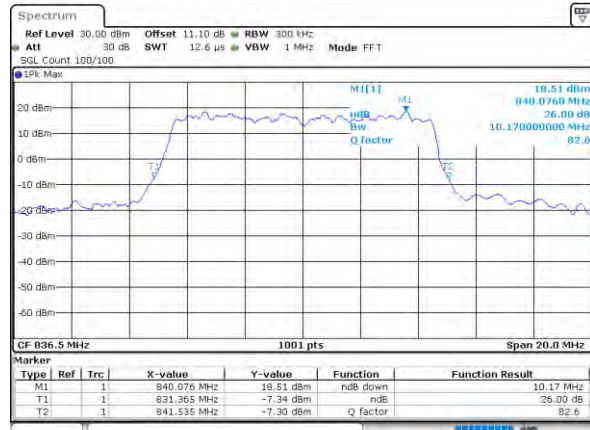


## LTE Band 5

## Middle Channel / 10MHz / QPSK

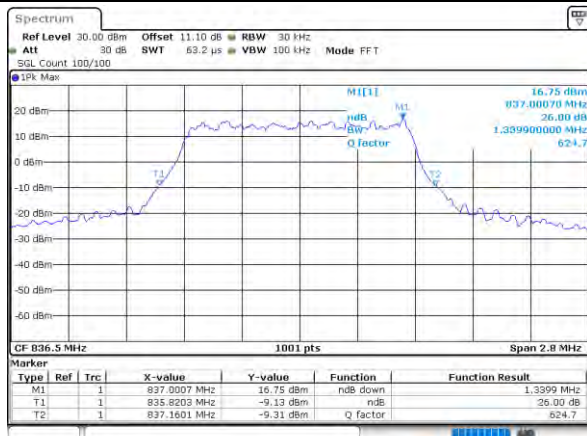


## Middle Channel / 10MHz / 16QAM

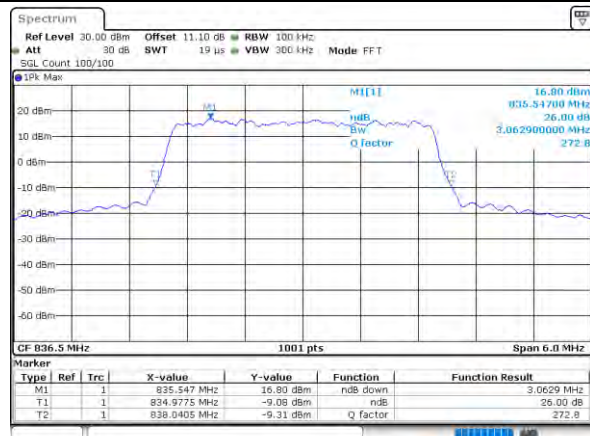


## LTE Band 5

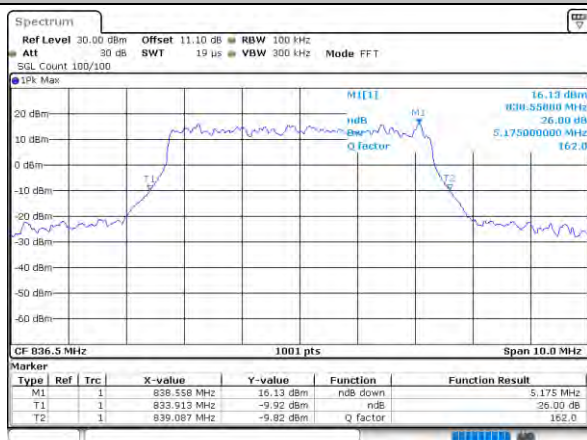
## Middle Channel / 1.4MHz / 64QAM



## Middle Channel / 3MHz / 64QAM



## Middle Channel / 5MHz / 64QAM



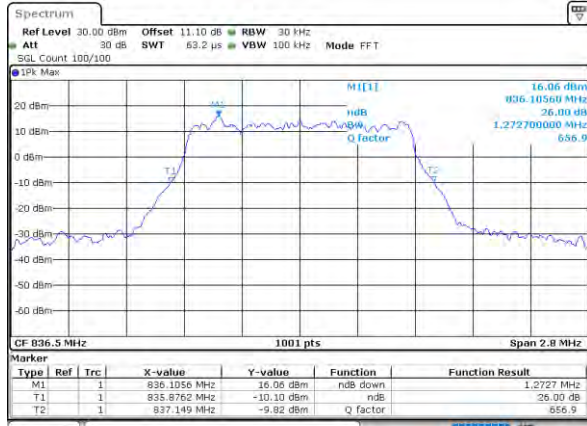
## Middle Channel / 10MHz / 64QAM



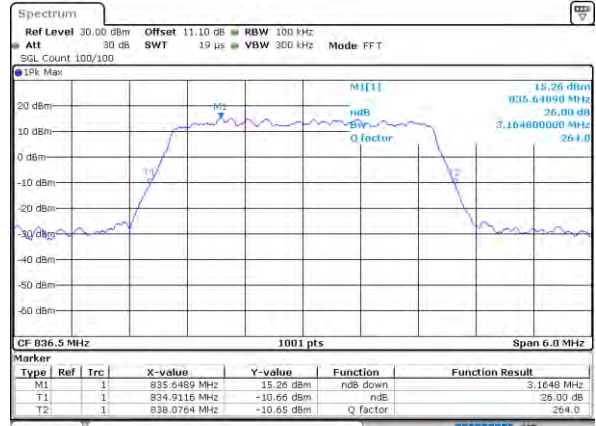


## LTE Band 5

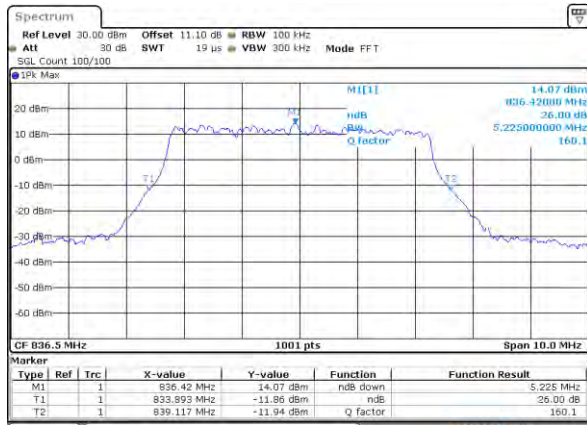
## Middle Channel / 1.4MHz / 256QAM



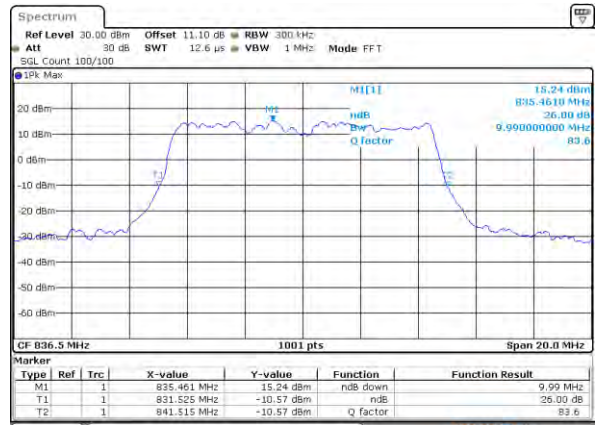
## Middle Channel / 3MHz / 256QAM



## Middle Channel / 5MHz / 256QAM



## Middle Channel / 10MHz / 256QAM



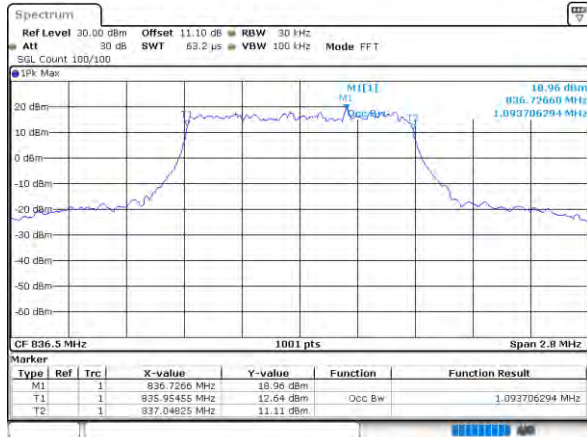
**Occupied Bandwidth**

| Mode      | LTE Band 5 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|--------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                   |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                     | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 1.09                     | 1.09   | 2.73  | 2.73   | 4.48  | 4.49   | 8.99  | 9.05   | -     | -      | -     | -      |
| Mode      | LTE Band 5 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                   |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                    | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.08                     | 1.09   | 2.73  | 2.74   | 4.48  | 4.48   | 9.03  | 9.01   | -     | -      | -     | -      |

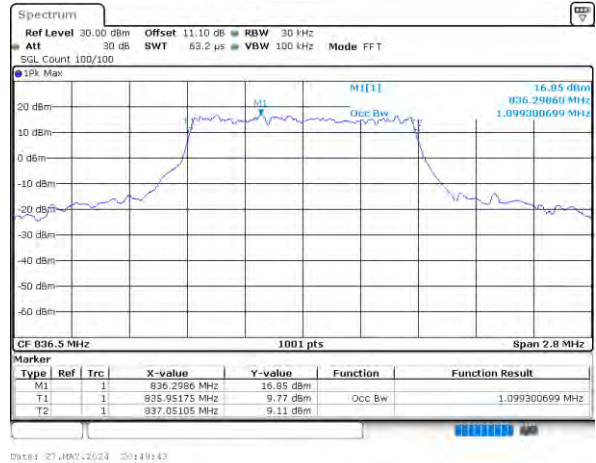


## LTE Band 5

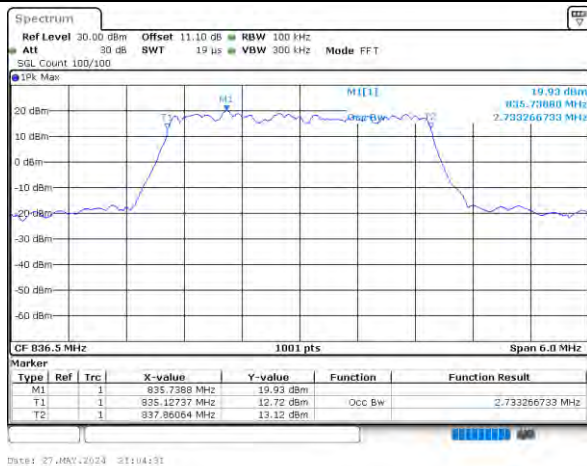
## Middle Channel / 1.4MHz / QPSK



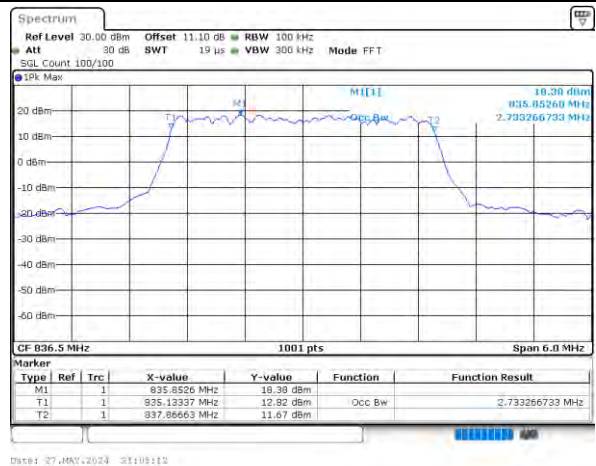
## Middle Channel / 1.4MHz / 16QAM



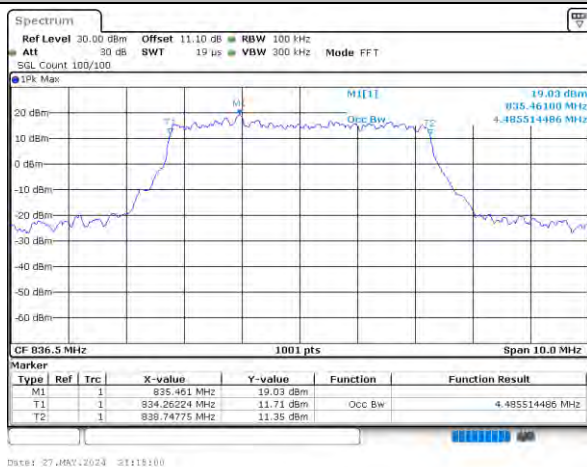
## Middle Channel / 3MHz / QPSK



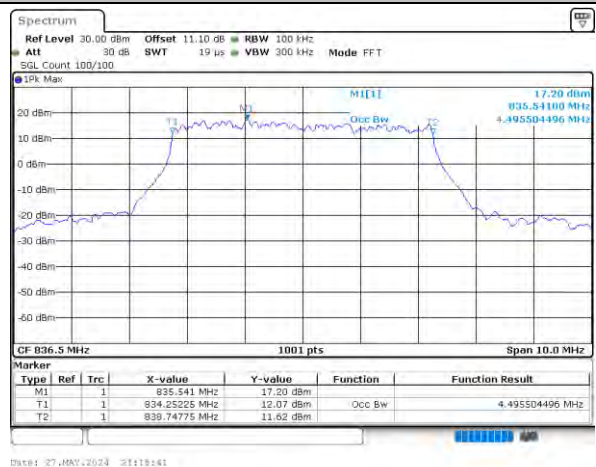
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



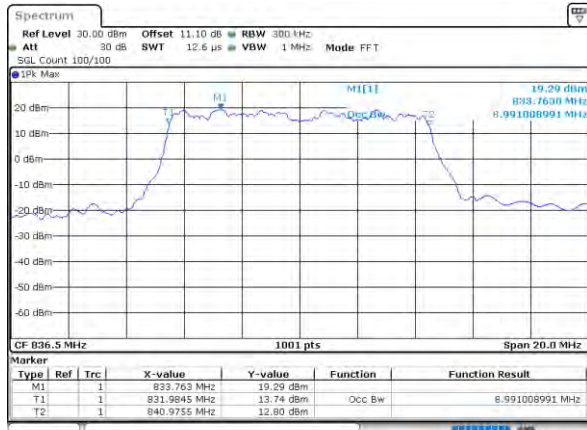
## Middle Channel / 5MHz / 16QAM



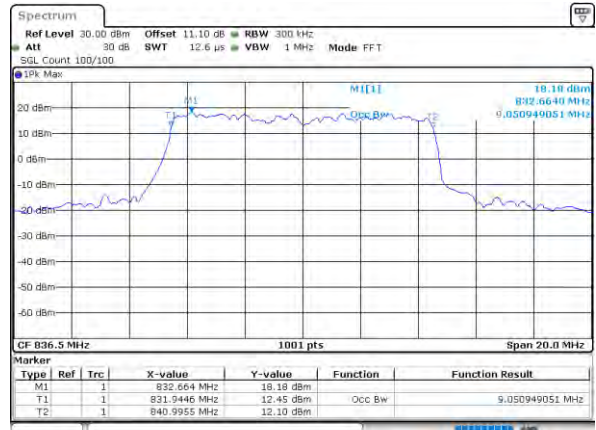


## LTE Band 5

## Middle Channel / 10MHz / QPSK

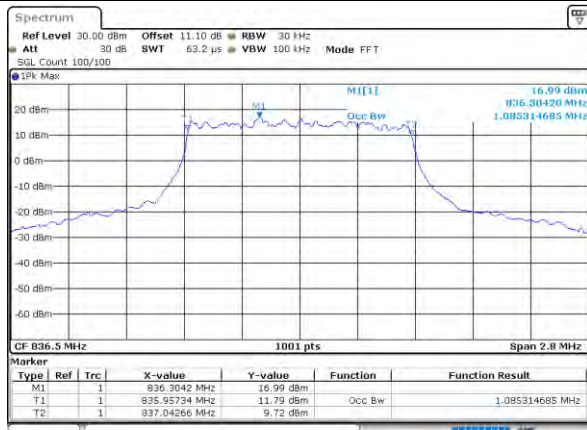


## Middle Channel / 10MHz / 16QAM

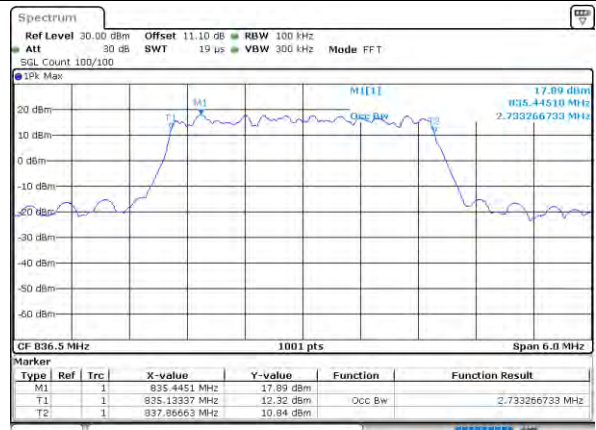


## LTE Band 5

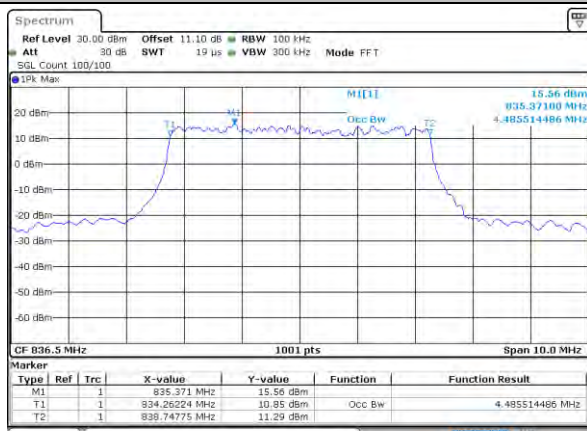
## Middle Channel / 1.4MHz / 64QAM



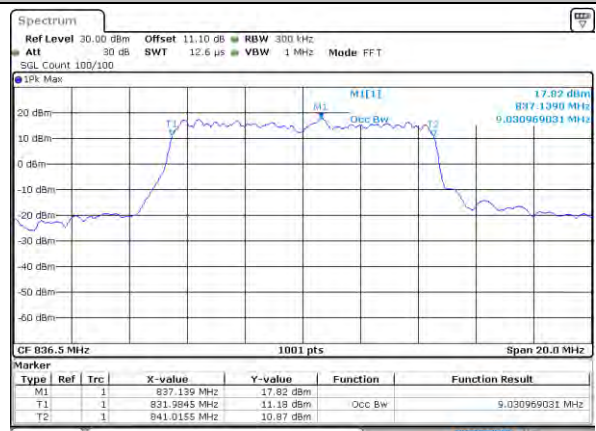
## Middle Channel / 3MHz / 64QAM



## Middle Channel / 5MHz / 64QAM



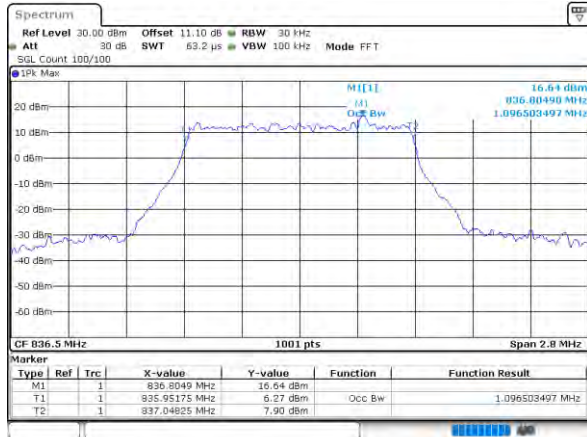
## Middle Channel / 10MHz / 64QAM



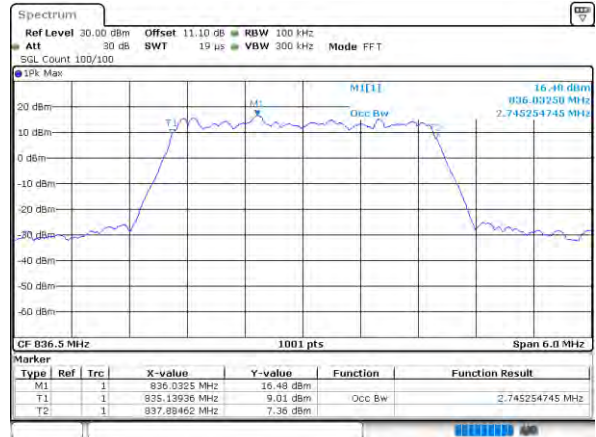


## LTE Band 5

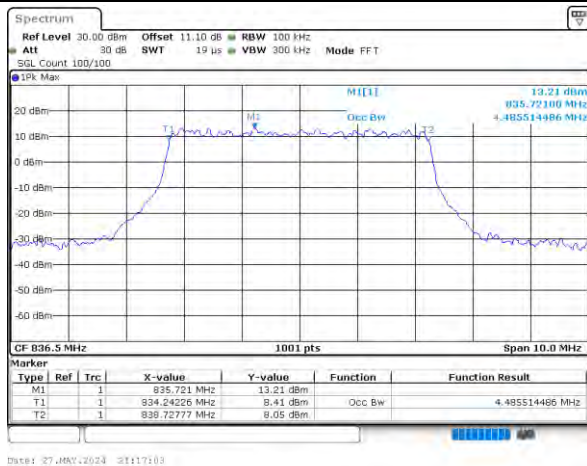
## Middle Channel / 1.4MHz / 256QAM



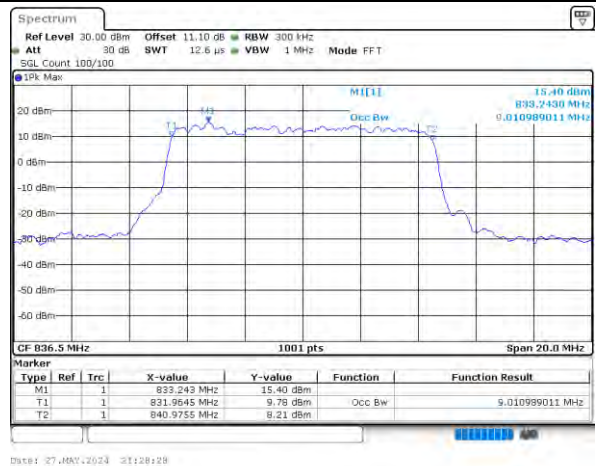
## Middle Channel / 3MHz / 256QAM

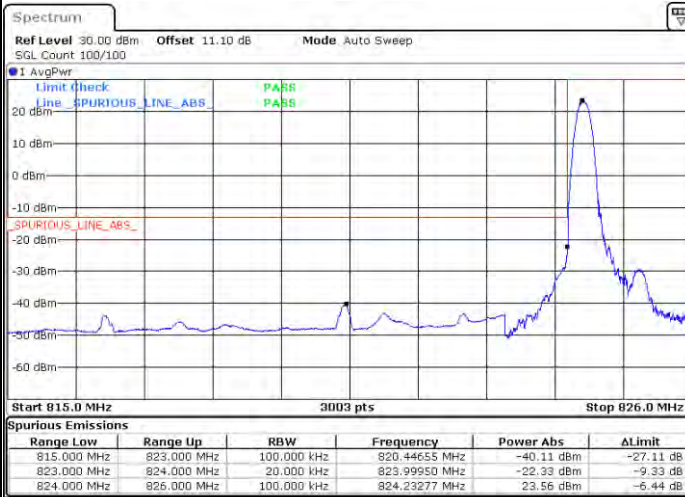
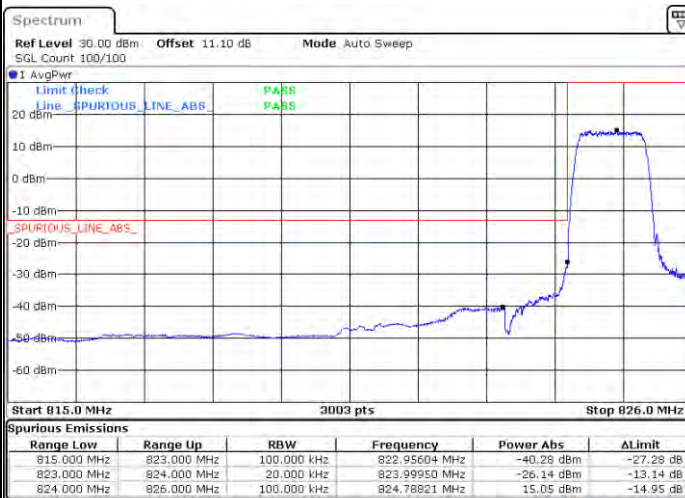


## Middle Channel / 5MHz / 256QAM



## Middle Channel / 10MHz / 256QAM

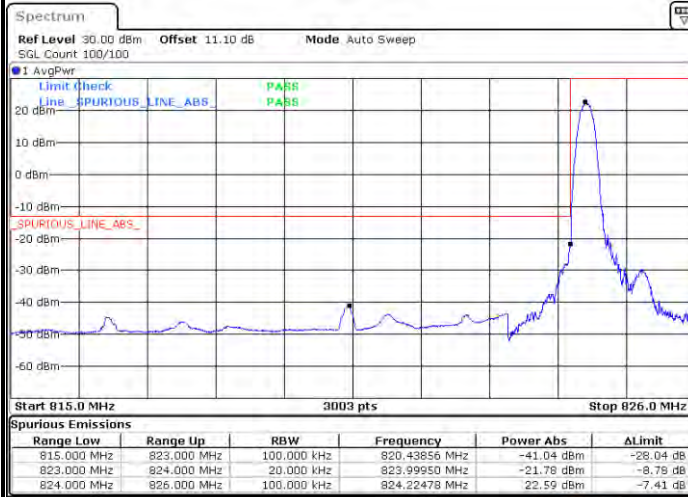


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



## LTE Band 5 / 1.4MHz / 16QAM

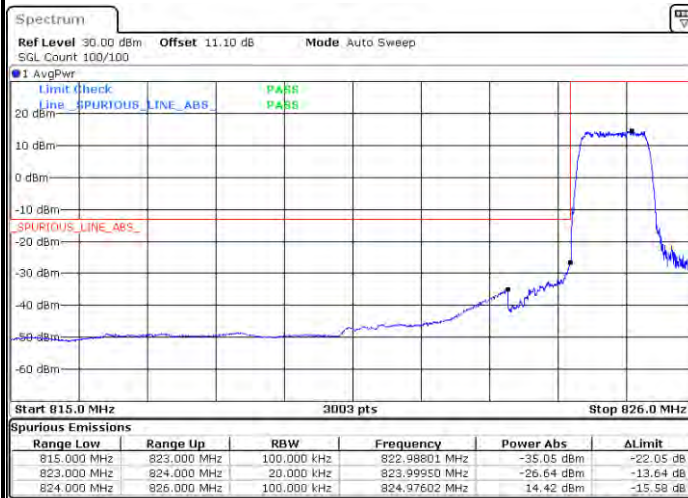
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



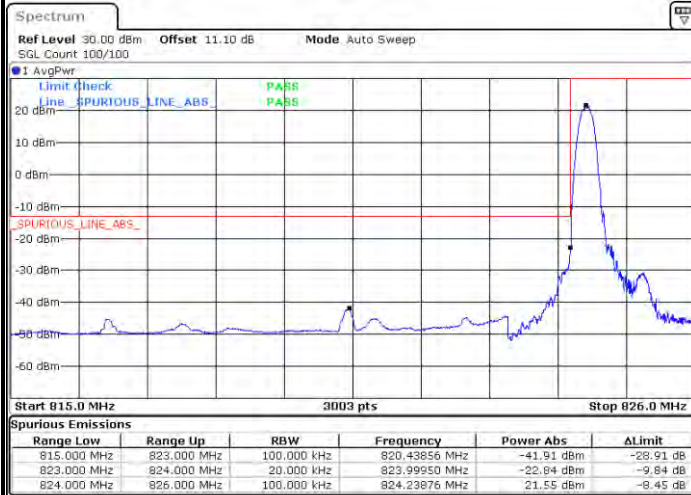
## Highest Band Edge / Full RB





## LTE Band 5 / 1.4MHz / 64QAM

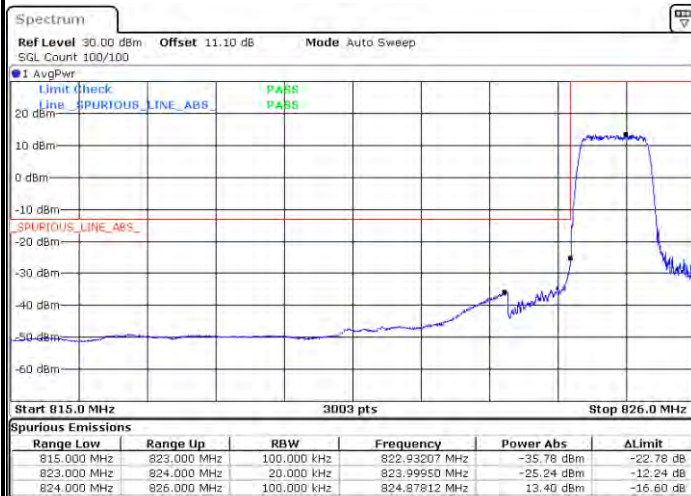
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





## LTE Band 5 / 1.4MHz / 256QAM

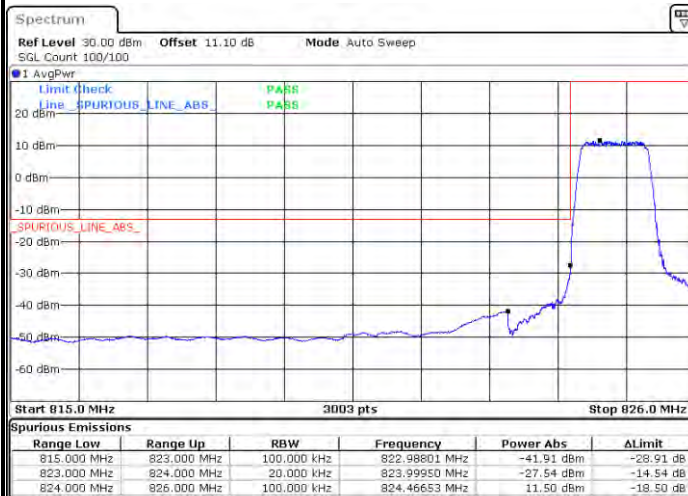
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





## LTE Band 5 / 3MHz / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



## LTE Band 5 / 3MHz / 16QAM

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB





## LTE Band 5 / 3MHz / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## LTE Band 5 / 3MHz / 256QAM

## Lowest Band Edge / Full RB



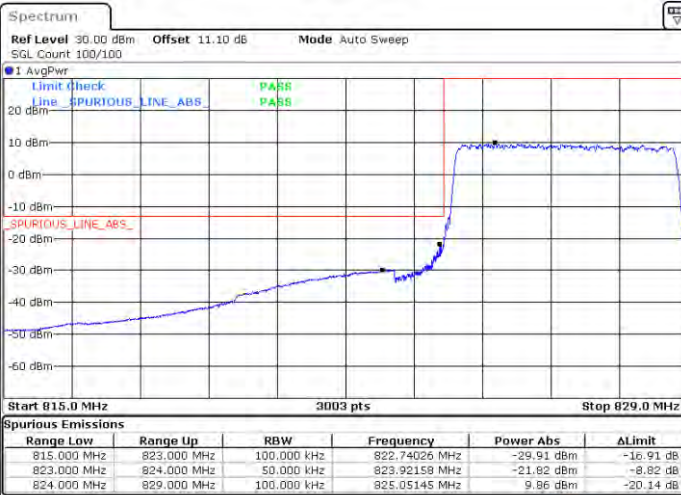
## Highest Band Edge / Full RB





## LTE Band 5 / 5MHz / QPSK

## Lowest Band Edge / Full RB

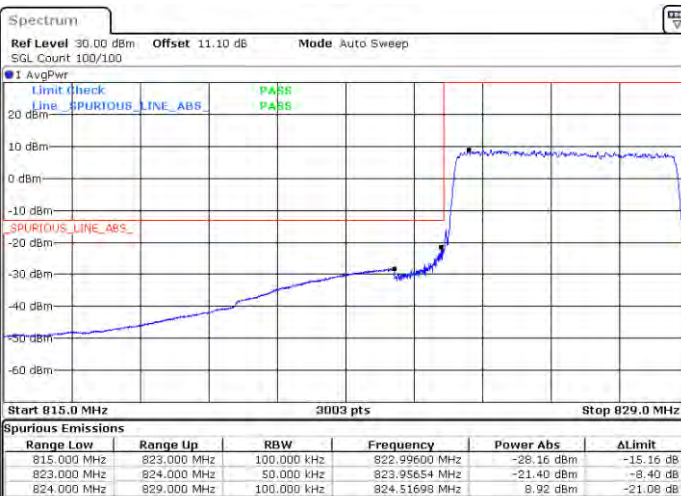


## Highest Band Edge / Full RB



## LTE Band 5 / 5MHz / 16QAM

## Lowest Band Edge / Full RB



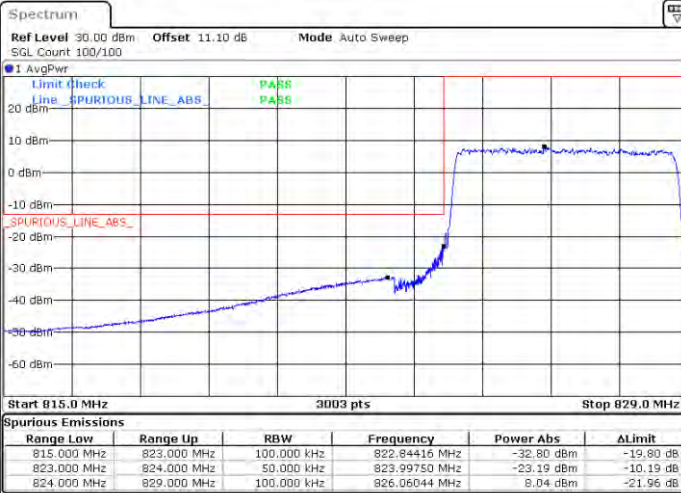
## Highest Band Edge / Full RB



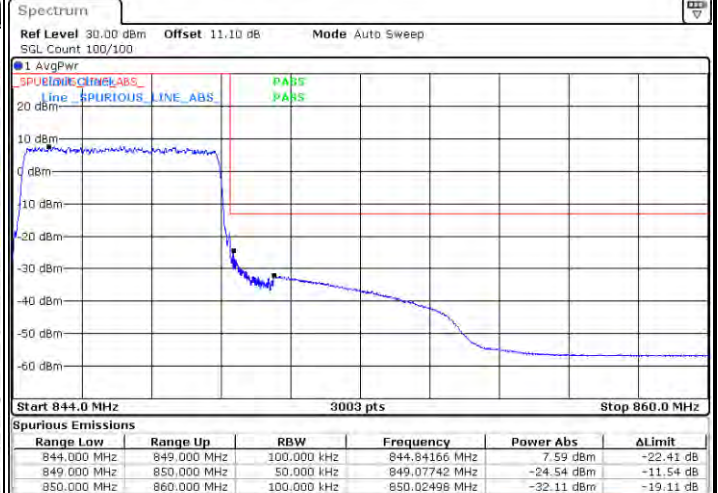


## LTE Band 5 / 5MHz / 64QAM

## Lowest Band Edge / Full RB

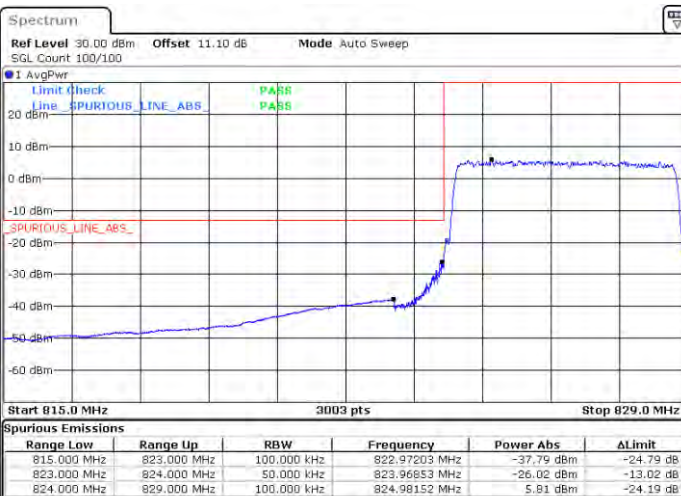


## Highest Band Edge / Full RB

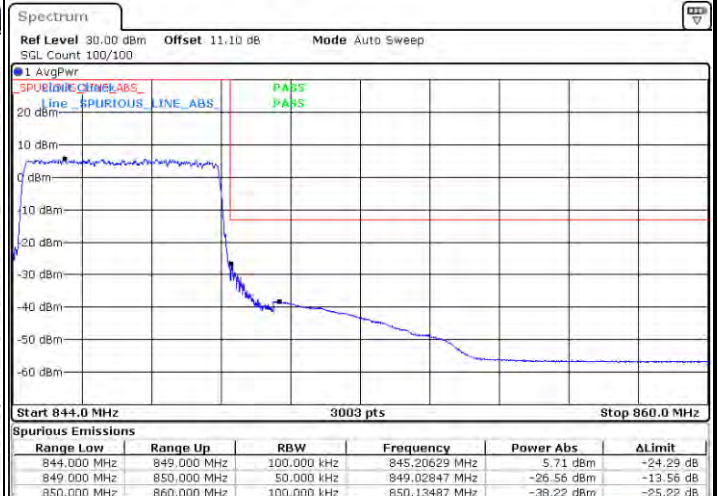


## LTE Band 5 / 5MHz / 256QAM

## Lowest Band Edge / Full RB



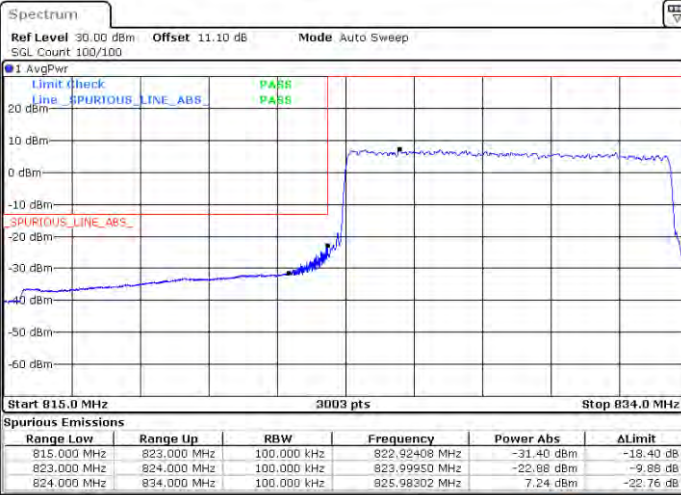
## Highest Band Edge / Full RB



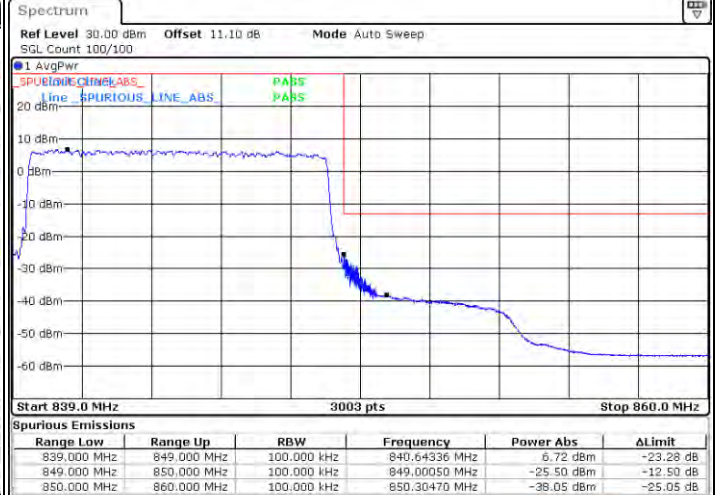


## LTE Band 5 / 10MHz / QPSK

## Lowest Band Edge / Full RB

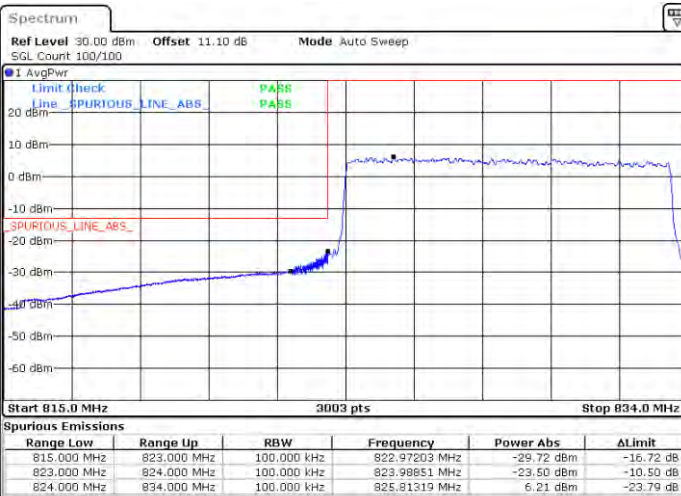


## Highest Band Edge / Full RB

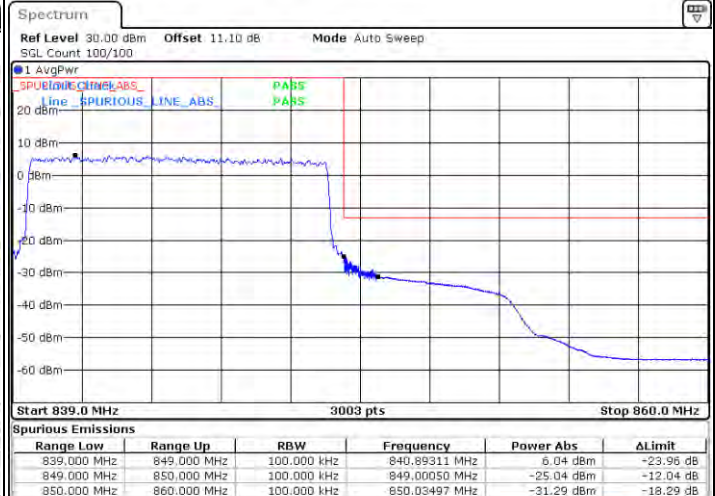


## LTE Band 5 / 10MHz / 16QAM

## Lowest Band Edge / Full RB



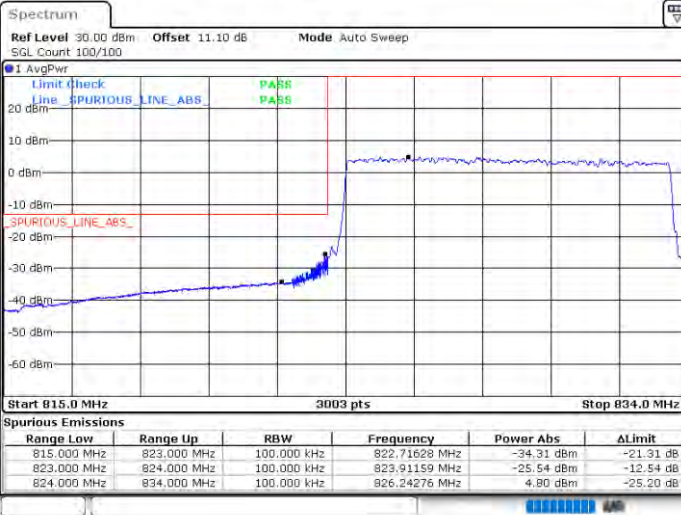
## Highest Band Edge / Full RB





## LTE Band 5 / 10MHz / 64QAM

## Lowest Band Edge / Full RB

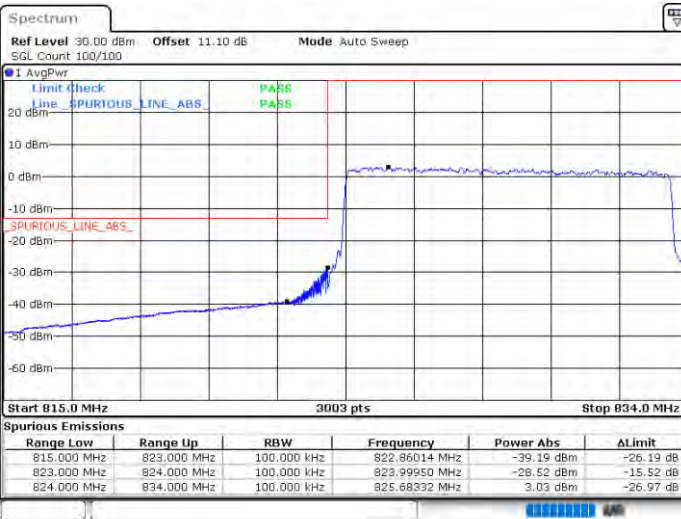


## Highest Band Edge / Full RB

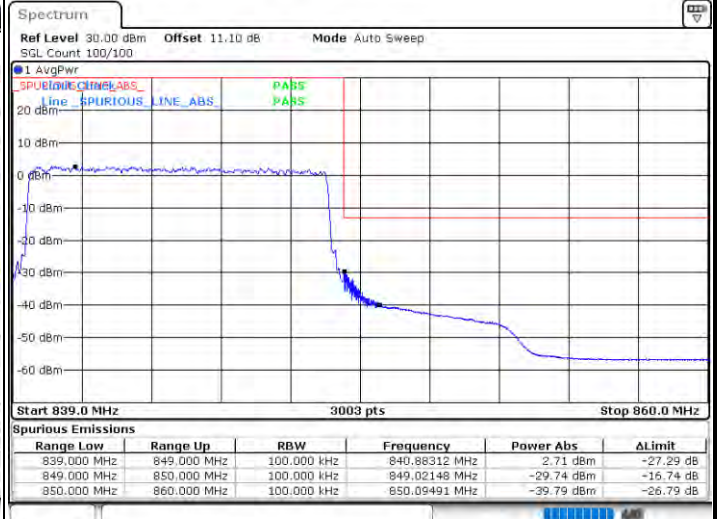


## LTE Band 5 / 10MHz / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

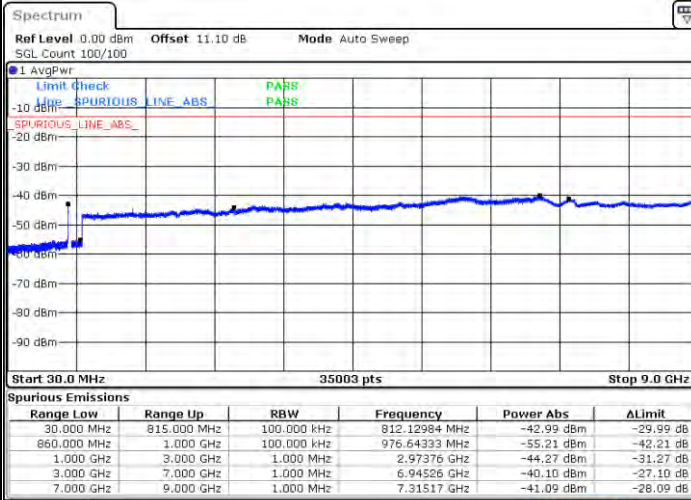




# Conducted Spurious Emission

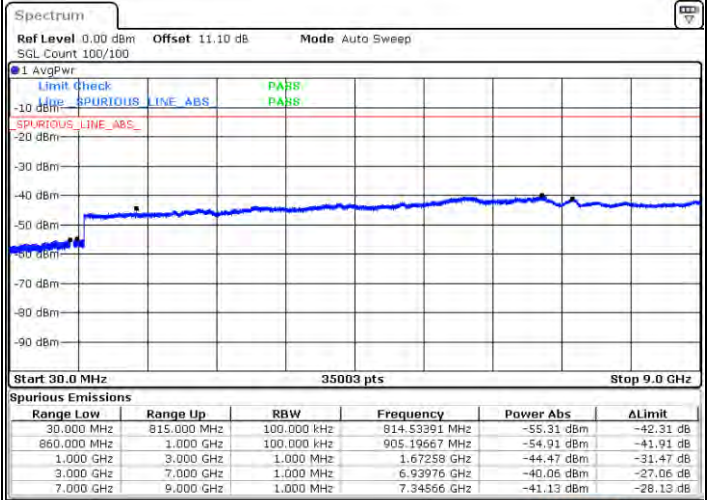
## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK



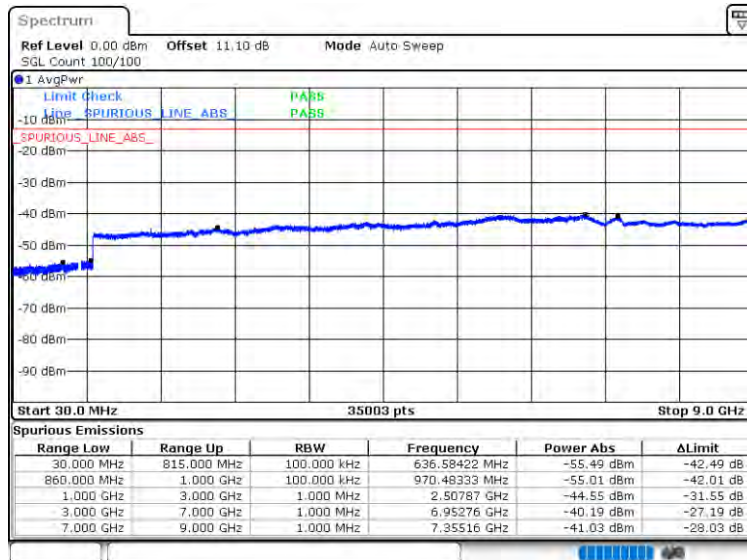
Date: 27.MAY.2024 20:45:37

### Middle Channel / QPSK



Date: 27.MAY.2024 20:46:34

### Highest Channel / QPSK

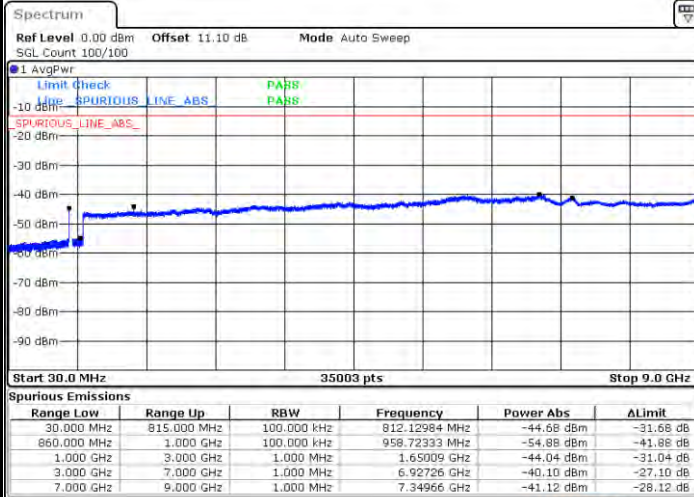


Date: 27.MAY.2024 21:00:08



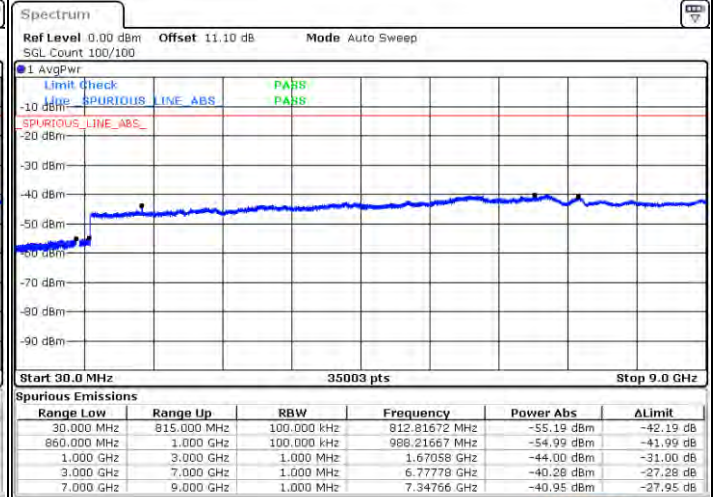
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK



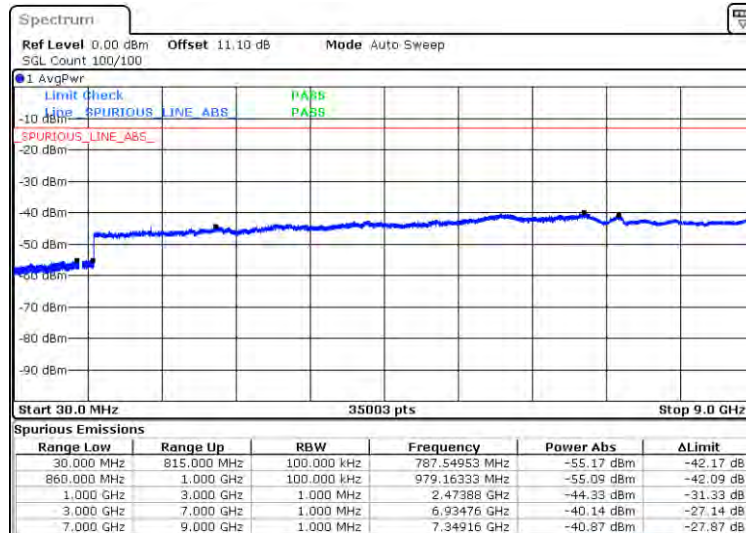
Date: 27.MAY.2024 21:33:42

## Middle Channel / QPSK



Date: 27.MAY.2024 21:34:49

## Highest Channel / QPSK

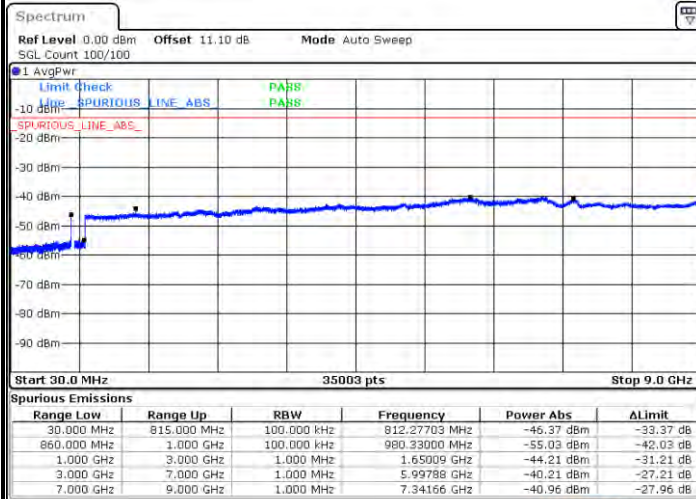


Date: 27.MAY.2024 21:35:56



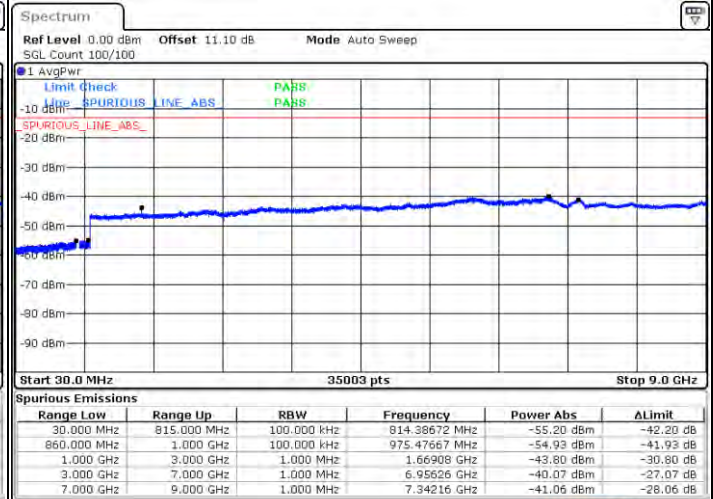
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK



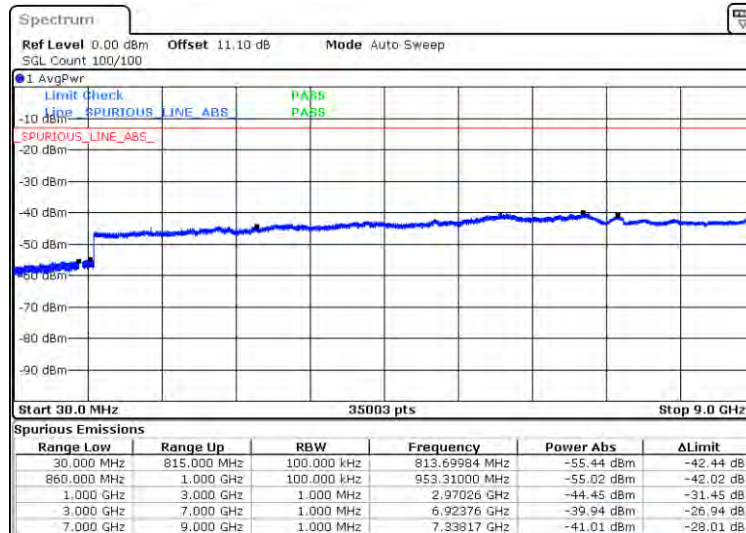
Date: 27.MAY.2024 21:57:07

## Middle Channel / QPSK



Date: 27.MAY.2024 21:58:14

## Highest Channel / QPSK

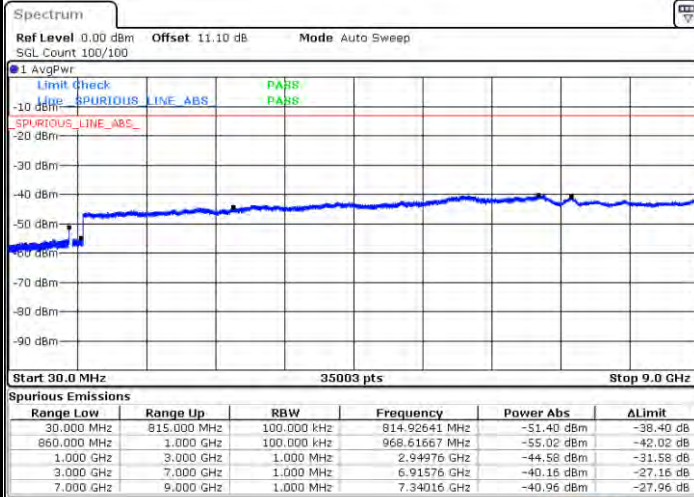


Date: 27.MAY.2024 21:59:21



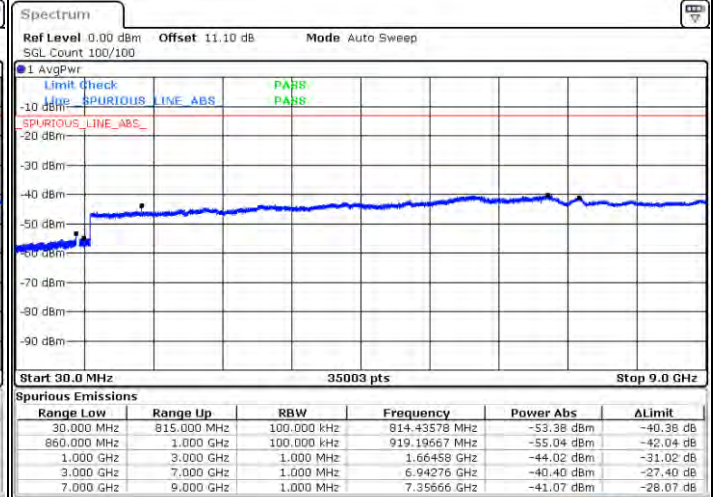
## LTE Band 5 / 10MHz

## Lowest Channel / QPSK



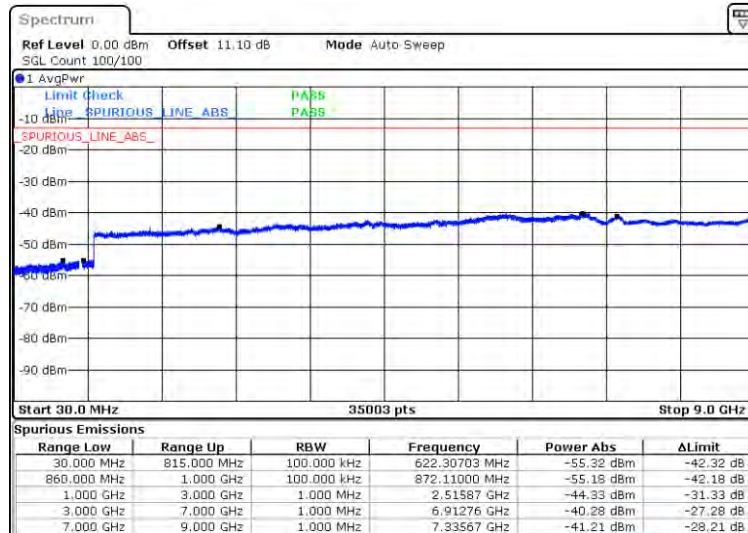
Date: 27.MAY.2024 21:40:33

## Middle Channel / QPSK



Date: 27.MAY.2024 21:41:40

## Highest Channel / QPSK



Date: 27.MAY.2024 21:42:46

## Frequency Stability

| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation (ppm)                    | Result |
| 50                  | Normal Voltage    | 0.0050                             | PASS   |
| 40                  | Normal Voltage    | 0.0133                             |        |
| 30                  | Normal Voltage    | 0.0022                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0050                             |        |
| 0                   | Normal Voltage    | 0.0033                             |        |
| -10                 | Normal Voltage    | 0.0079                             |        |
| -20                 | Normal Voltage    | 0.0067                             |        |
| -30                 | Normal Voltage    | 0.0072                             |        |
| 20                  | Maximum Voltage   | 0.0007                             |        |
| 20                  | Normal Voltage    | 0.0000                             |        |
| 20                  | Battery End Point | 0.0011                             |        |

**Note:** Normal Voltage = 3.9 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.



## LTE Band 5B

**26dB Bandwidth**

| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| QPSK      |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 8.08                       | 8.32        | 14.95      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 14.71                      | 19.98       | -          |

| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 16QAM     |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 8.07                       | 8.29        | 14.68      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 15.07                      | 19.53       | -          |

| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 64QAM     |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 8.16                       | 8.39        | 14.56      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 14.68                      | 19.94       | -          |

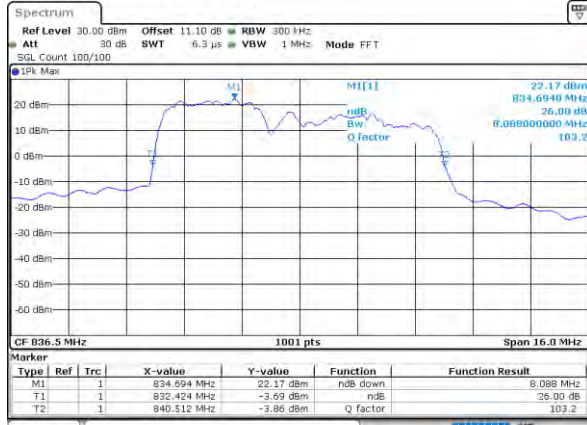
| Mode      | LTE Band 5B : 26dB BW(MHz) |             |            |
|-----------|----------------------------|-------------|------------|
| 256QAM    |                            |             |            |
| BW        | 3MHz+5MHz                  | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 8.13                       | 8.26        | 14.65      |
| BW        | 10MHz+5MHz                 | 10MHz+10MHz | N/A        |
| Middle CH | 14.65                      | 19.53       | -          |



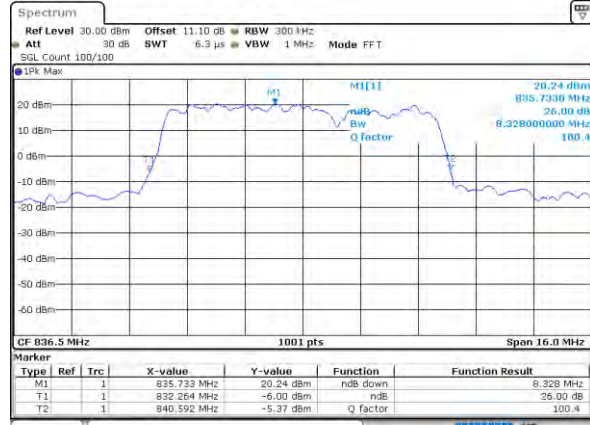
## LTE Band 5B

## QPSK

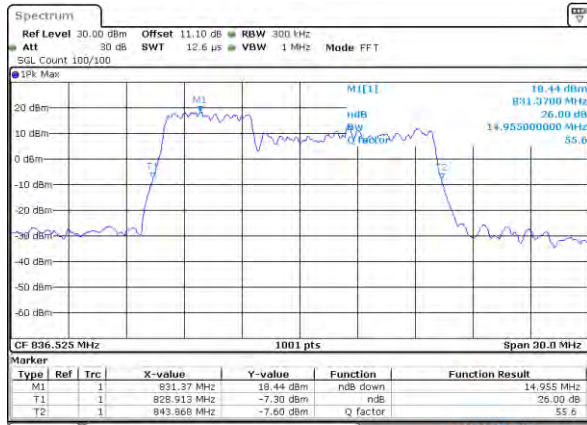
## Middle Channel / 3MHz+5MHz



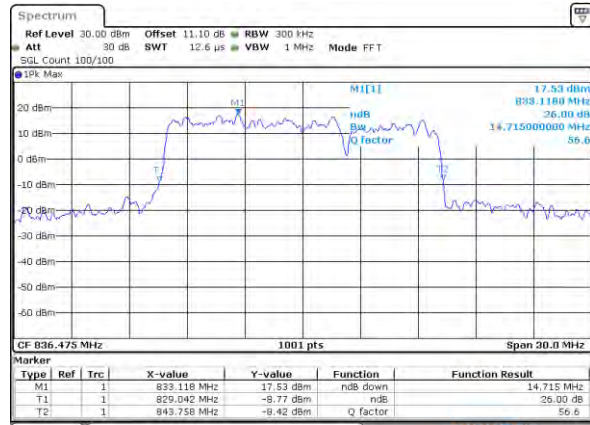
## Middle Channel / 5MHz+3MHz



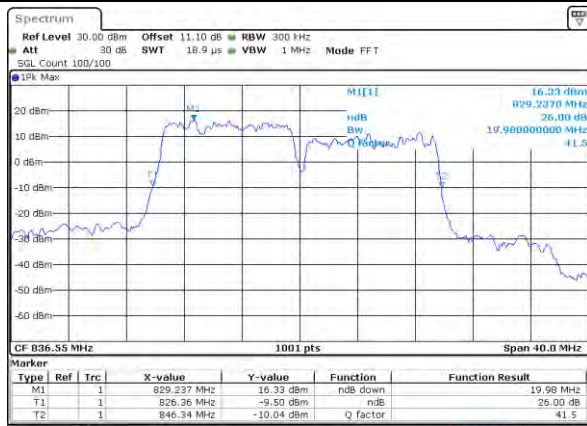
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



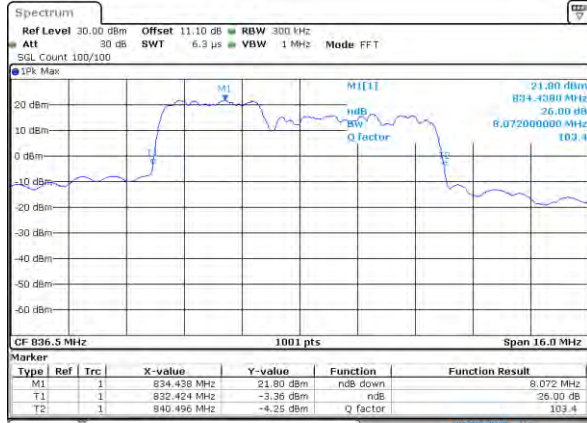
## N/A



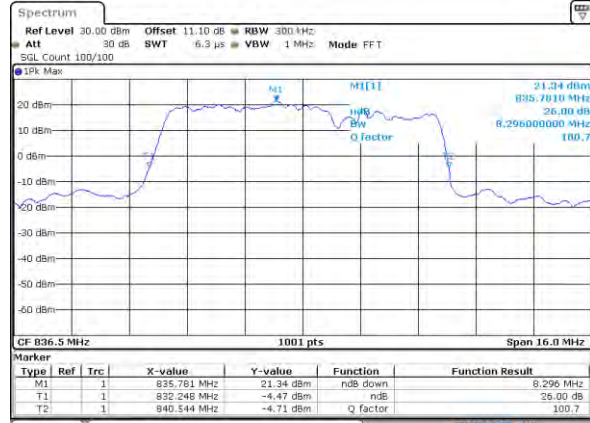
## LTE Band 5B

## 16QAM

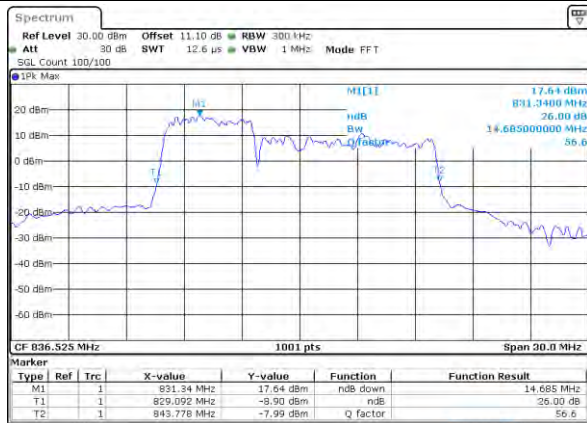
## Middle Channel / 3MHz+5MHz



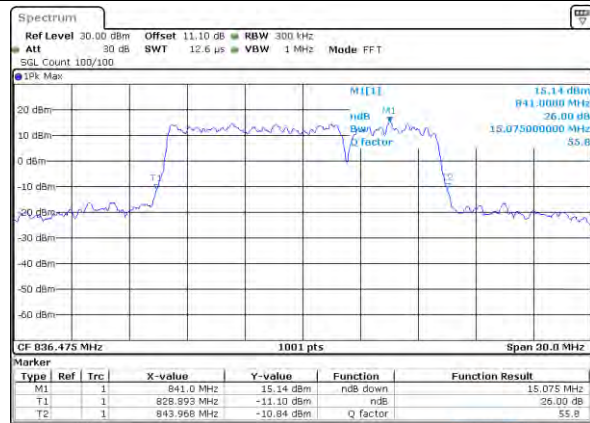
## Middle Channel / 5MHz+3MHz



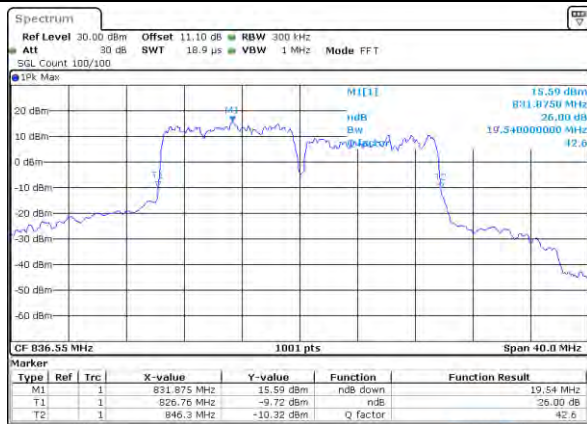
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



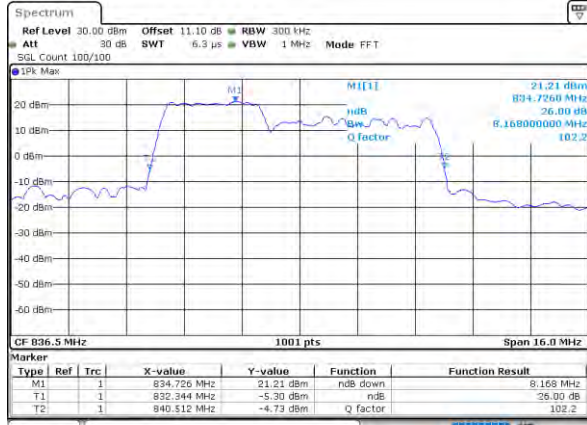
## N/A



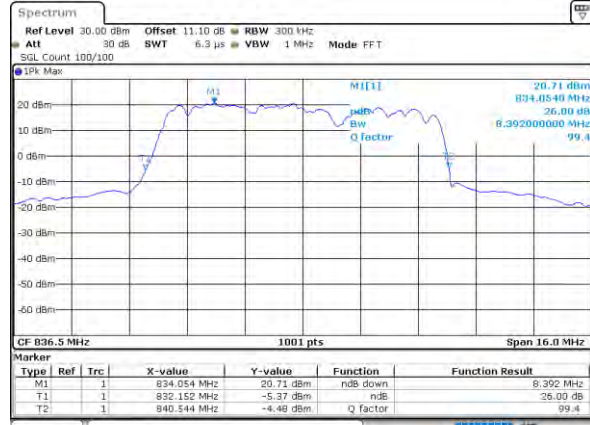
## LTE Band 5B

## 64QAM

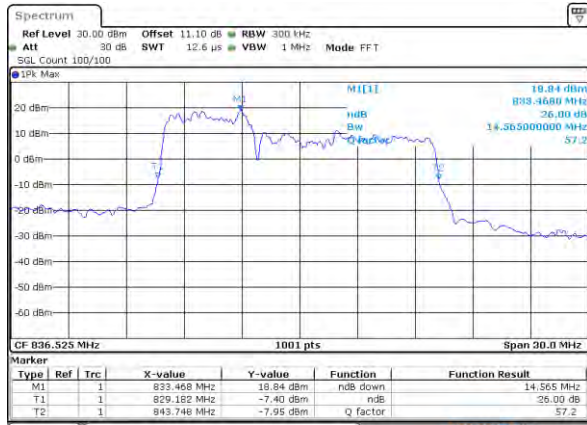
## Middle Channel / 3MHz+5MHz



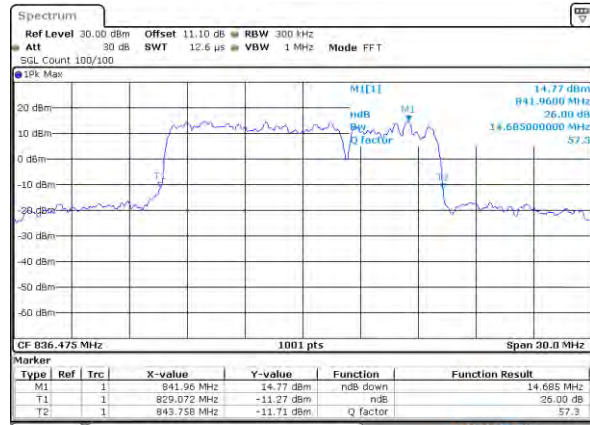
## Middle Channel / 5MHz+3MHz



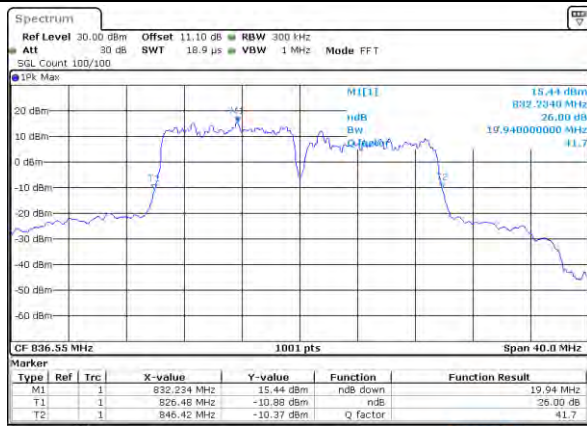
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



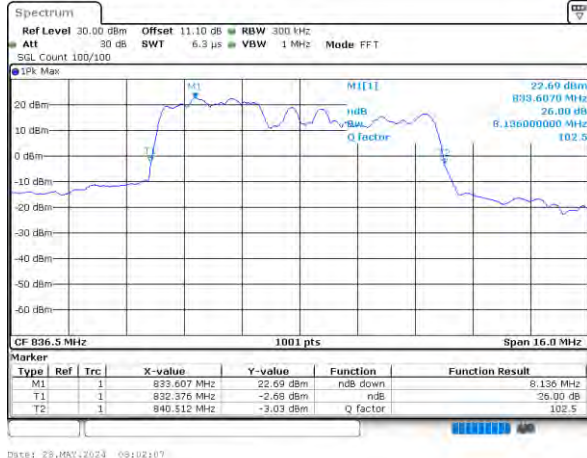
## N/A



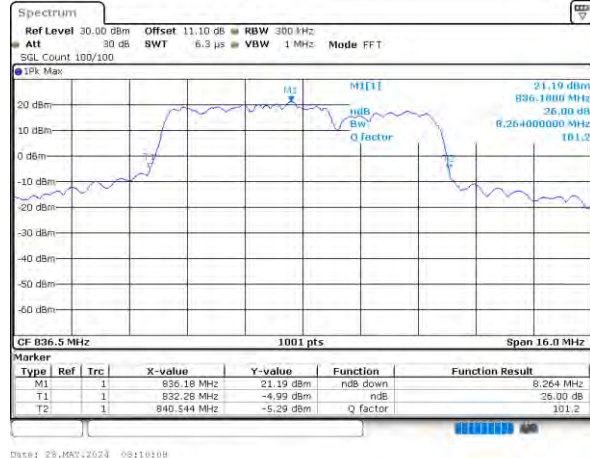
## LTE Band 5B

## 256QAM

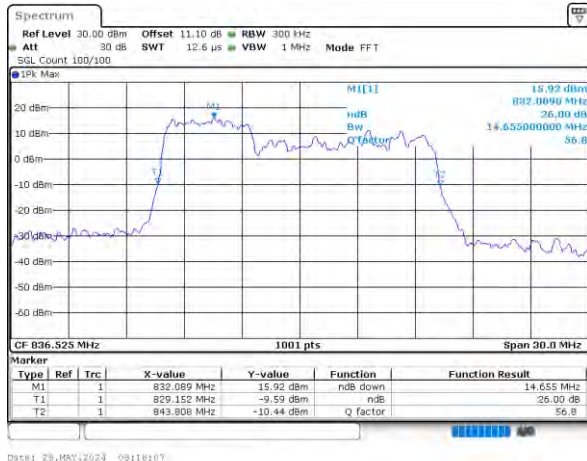
## Middle Channel / 3MHz+5MHz



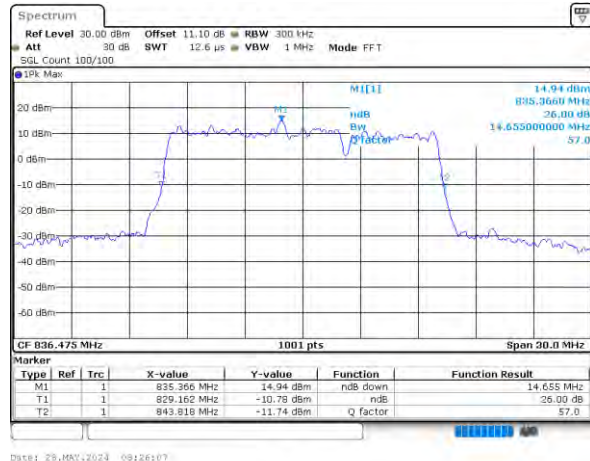
## Middle Channel / 5MHz+3MHz



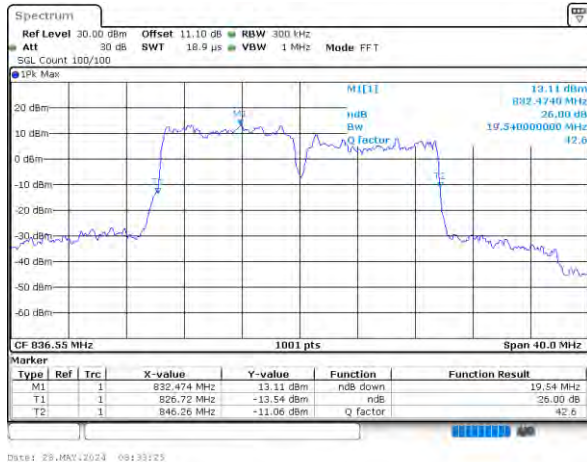
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



N/A

## Occupied Bandwidth

| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | QPSK                      |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 7.56                      | 7.51        | 13.87      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.93                     | 18.78       | -          |

| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | 16QAM                     |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 7.52                      | 7.54        | 14.02      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.87                     | 18.82       | -          |

| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | 64QAM                     |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 7.49                      | 7.59        | 14.02      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.93                     | 18.74       | -          |

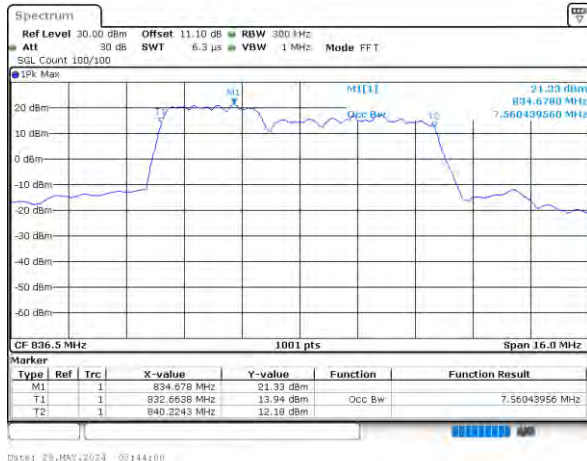
| Mode      | LTE Band 5B : 99%OBW(MHz) |             |            |
|-----------|---------------------------|-------------|------------|
|           | 254QAM                    |             |            |
| BW        | 3MHz+5MHz                 | 5MHz+3MHz   | 5MHz+10MHz |
| Middle CH | 7.60                      | 7.52        | 13.90      |
| BW        | 10MHz+5MHz                | 10MHz+10MHz | N/A        |
| Middle CH | 13.96                     | 18.78       | -          |



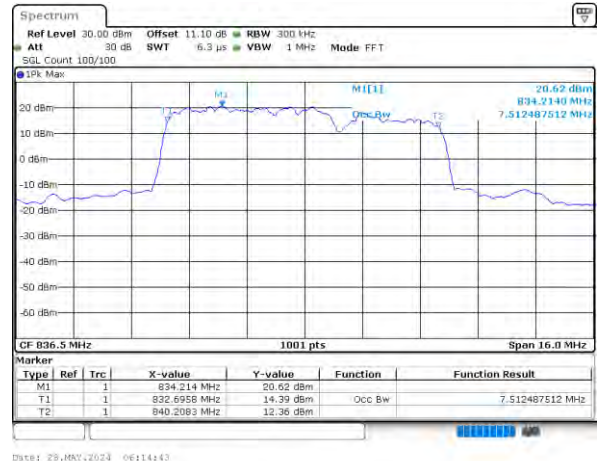
## LTE Band 5B

## QPSK

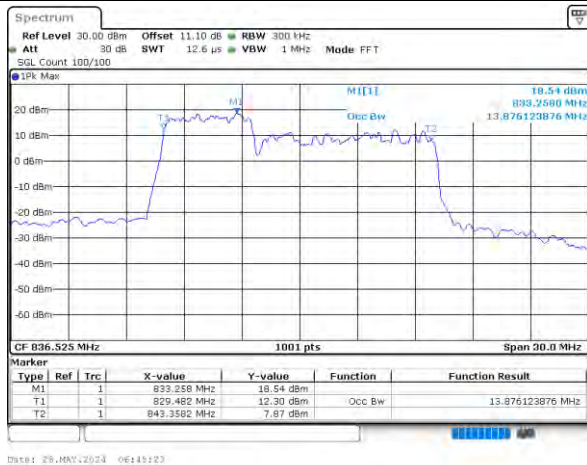
## Middle Channel / 3MHz+5MHz



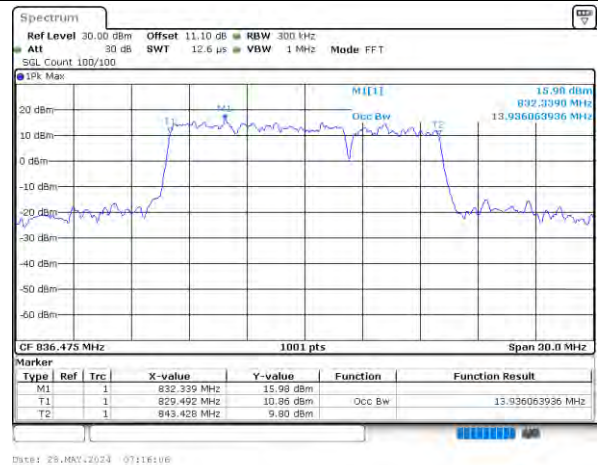
## Middle Channel / 5MHz+3MHz



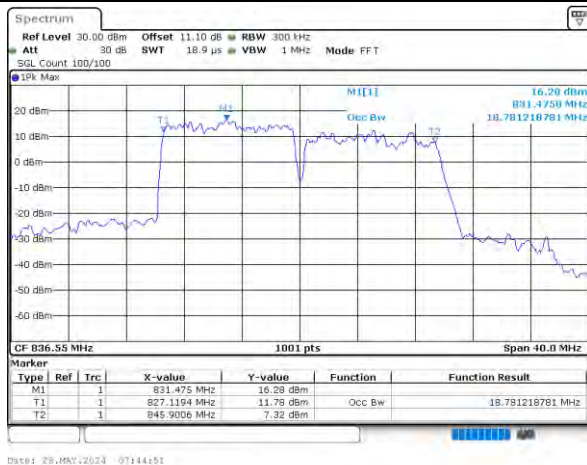
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



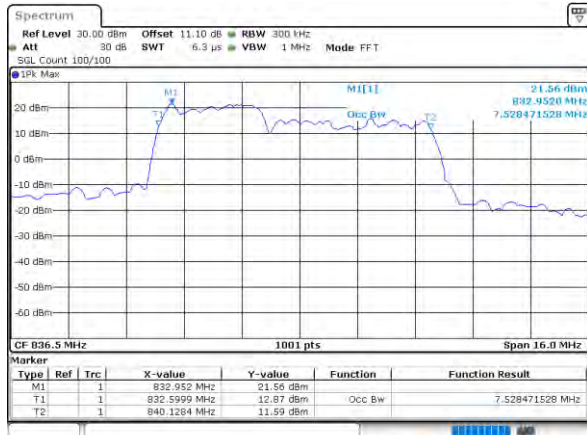
## N/A



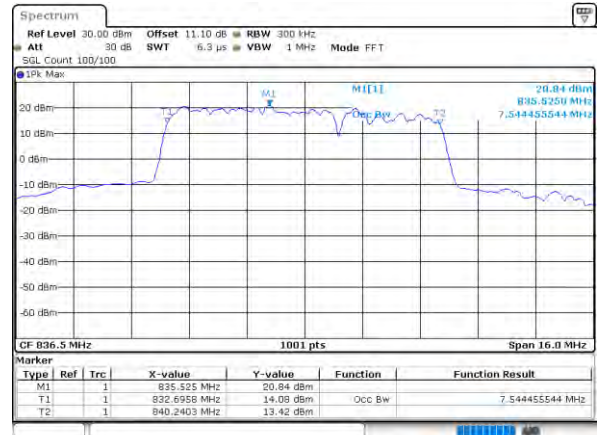
## LTE Band 5B

## 16QAM

## Middle Channel / 3MHz+5MHz



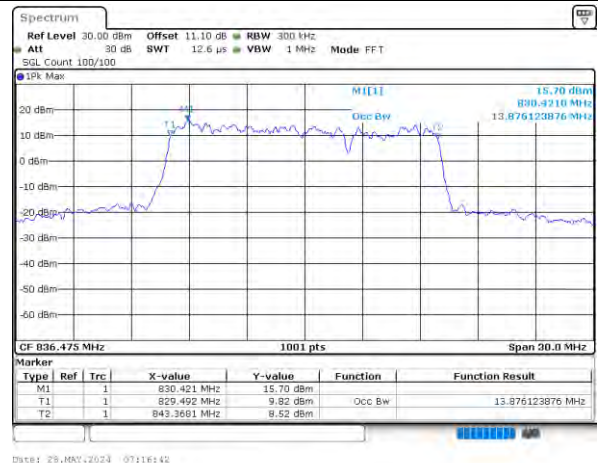
## Middle Channel / 5MHz+3MHz



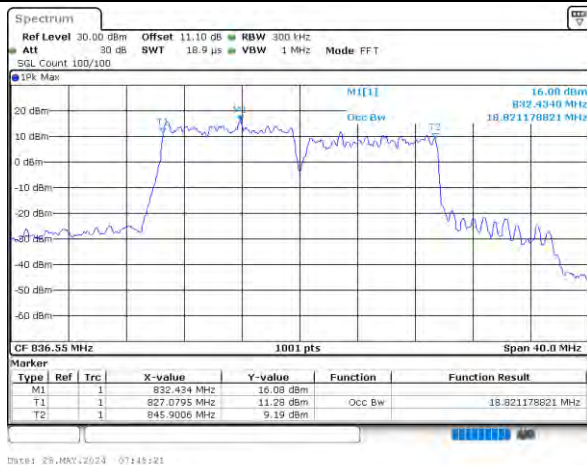
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



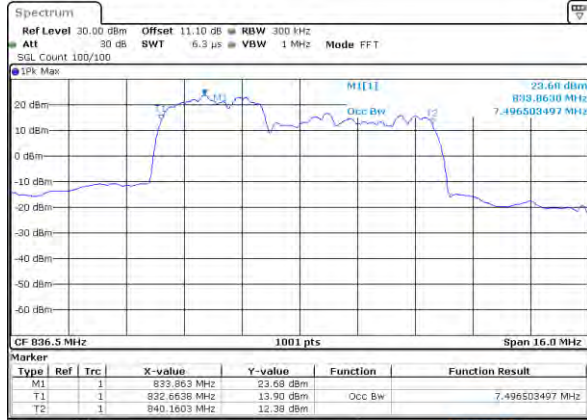
## N/A



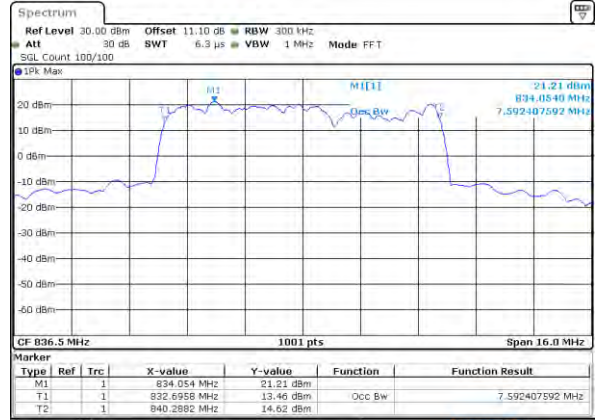
## LTE Band 5B

## 64QAM

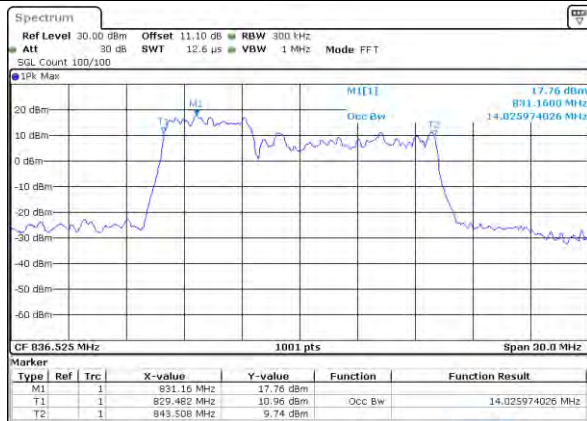
## Middle Channel / 3MHz+5MHz



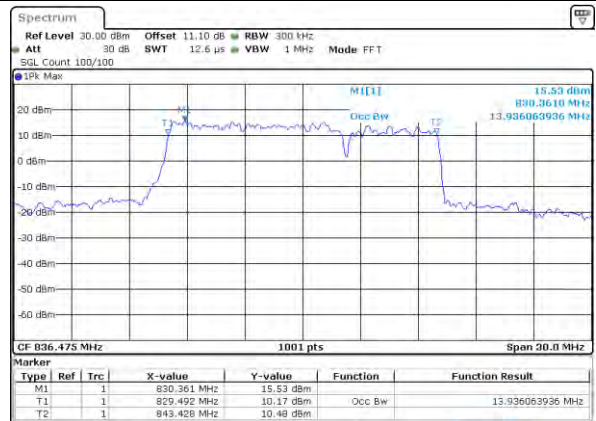
## Middle Channel / 5MHz+3MHz



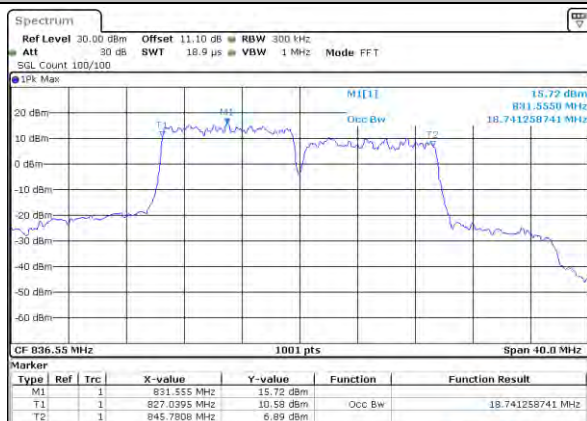
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



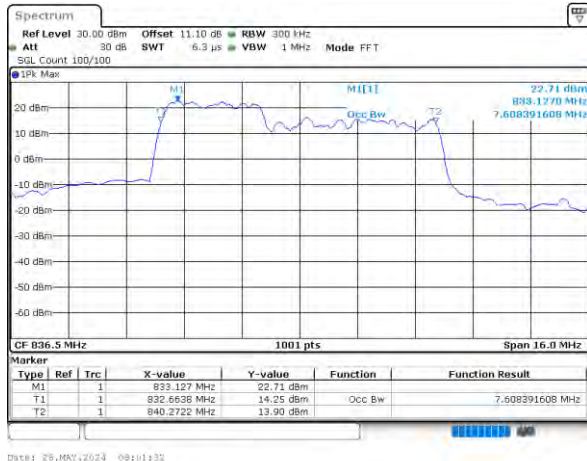
## N/A



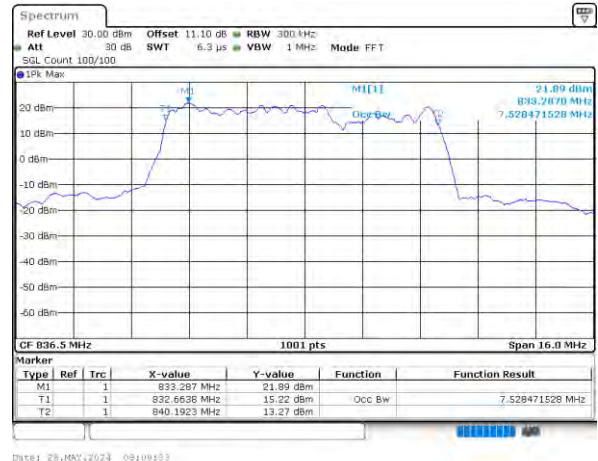
## LTE Band 5B

## 256QAM

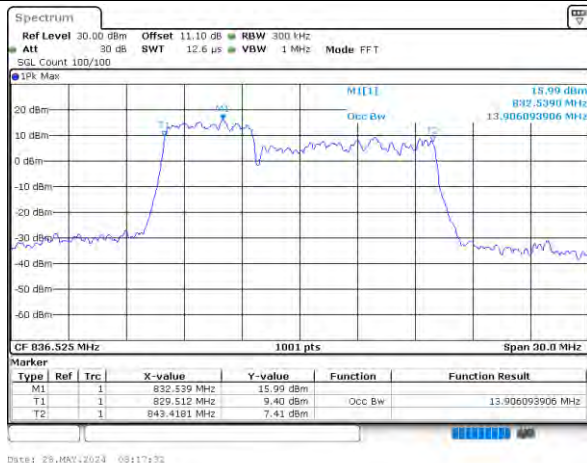
## Middle Channel / 3MHz+5MHz



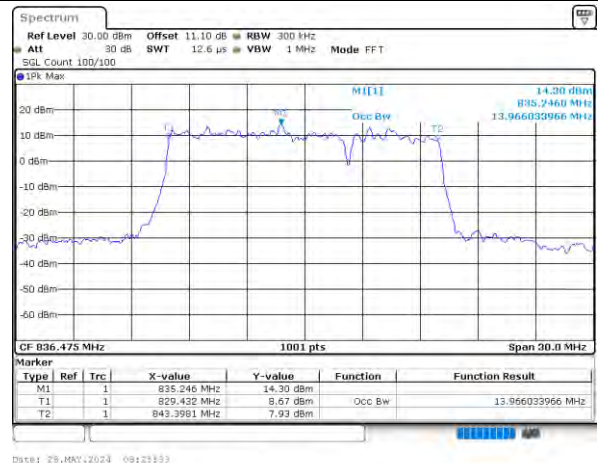
## Middle Channel / 5MHz+3MHz



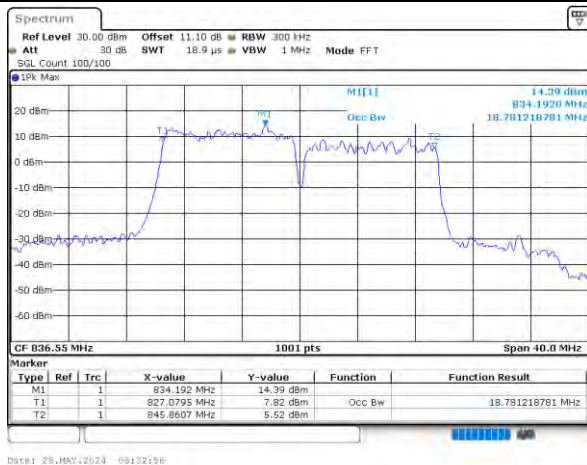
## Middle Channel / 5MHz+10MHz



## Middle Channel / 10MHz+5MHz



## Middle Channel / 10MHz+10MHz



## N/A

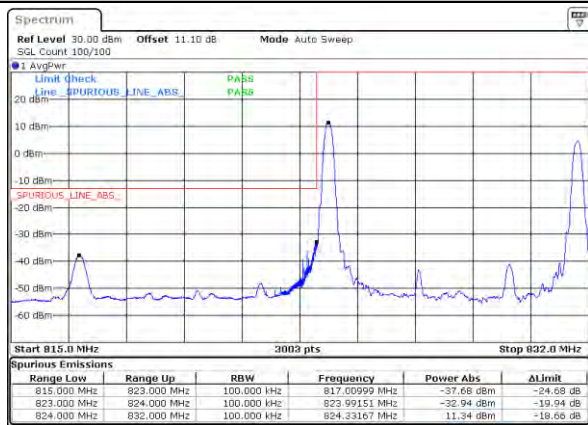


# Conducted Band Edge

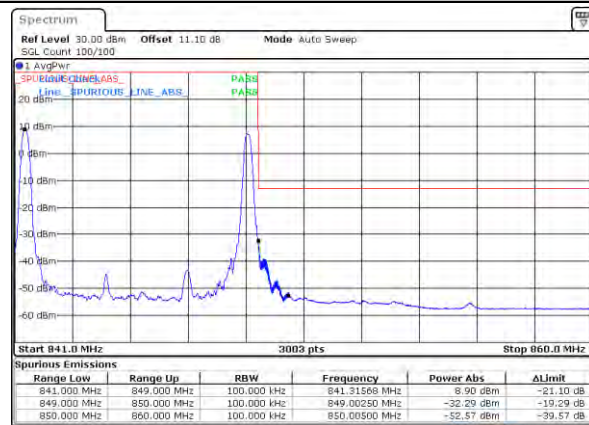
LTE Band 5B / 3MHz+5MHz

QPSK

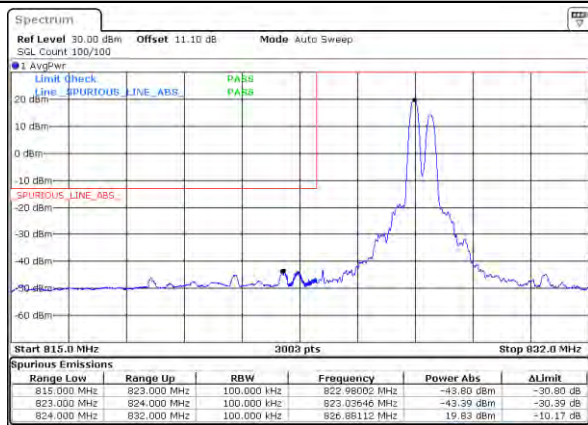
Lowest Band Edge / 1RB0 and 1RB24



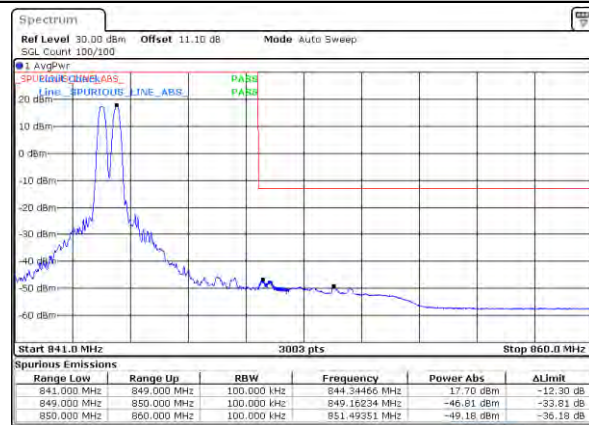
Highest Band Edge / 1RB0 and 1RB24



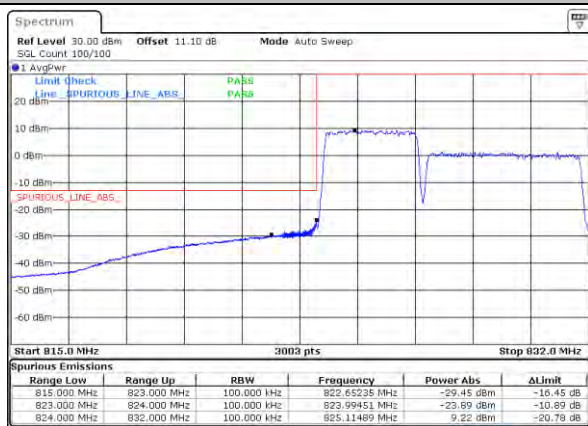
Lowest Band Edge / 1RB14 and 1RB0



Highest Band Edge / 1RB14 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

