

# TEST REPORT

**Applicant:** UROVO TECHNOLOGY CO., LTD.  
**Address:** 36F, High-Tech Zone Union Tower, No.63, Xuefu Road, Nanshan District, Shenzhen, Guangdong, China  
**Equipment Type:** Smart POS  
**Model Name:** i5300L (refer to section 2.3)  
**Brand Name:** UROVO  
**FCC ID:** SWSI5300L  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** Jul. 10, 2025  
**Test Date:** Jul. 11, 2025 - Aug. 19, 2025  
**Date of Issue:** Oct. 17, 2025

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Guo Jianxin**Checked by:** Wu Huihui**Approved by:** Tolan Tu  
(Testing Director)

Guo Jianxin

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Tolan Tu

Revision History

| Version        | Issue Date           | Revisions            |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Oct. 17, 2025</u> | <u>Initial Issue</u> |

TABLE OF CONTENTS

1 GENERAL INFORMATION..... 4

1.1 Test Laboratory ..... 4

1.2 Test Location ..... 4

2 PRODUCT INFORMATION ..... 5

2.1 Applicant Information ..... 5

2.2 Manufacturer Information..... 5

2.3 General Description for Equipment under Test (EUT)..... 5

2.4 Technical Information ..... 6

3 SUMMARY OF TEST RESULTS ..... 9

3.1 Test Standards ..... 9

3.2 Test Verdict ..... 10

3.3 Measurement Uncertainty..... 11

4 GENERAL TEST CONFIGURATIONS ..... 12

4.1 Test Environments..... 12

4.2 Test Equipment List..... 12

4.3 Test Configurations..... 14

4.4 Test Setup ..... 22

5 TEST ITEMS ..... 24

5.1 Transmitter Radiated Power (EIRP/ERP) ..... 24

5.2 Peak to Average Ratio..... 28

5.3 Occupied Bandwidth..... 30

5.4 Frequency Stability ..... 32

5.5 Spurious Emission at Antenna Terminals ..... 34

5.6 Band Edge..... 38

|         |                                              |     |
|---------|----------------------------------------------|-----|
| 5.7     | Field Strength of Spurious Radiation .....   | 42  |
| ANNEX A | TEST RESULTS .....                           | 47  |
| A.1     | Transmitter Radiated Power (EIRP/ERP) .....  | 47  |
| A.2     | Peak to Average Ratio .....                  | 146 |
| A.3     | Occupied Bandwidth .....                     | 151 |
| A.4     | Frequency Stability .....                    | 169 |
| A.5     | Spurious Emission at Antenna Terminals ..... | 186 |
| A.6     | Band Edge .....                              | 199 |
| A.7     | Field Strength of Spurious Radiation .....   | 216 |
| ANNEX B | TEST SETUP PHOTOS .....                      | 218 |
| ANNEX C | EUT EXTERNAL PHOTOS .....                    | 218 |
| ANNEX D | EUT INTERNAL PHOTOS .....                    | 218 |

# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

|              |                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------|
| Name         | Shenzhen BALUN Technology Co., Ltd.                                                                                          |
| Address      | Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Phone Number | +86 755 6685 0100                                                                                                            |

## 1.2 Test Location

|                           |                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                      | Shenzhen BALUN Technology Co., Ltd.                                                                                                                                                                                                |
| Location                  | <input type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                                              |
|                           | <input checked="" type="checkbox"/> 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.                                                                                                   |

## 2 PRODUCT INFORMATION

### 2.1 Applicant Information

|           |                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------|
| Applicant | UROVO TECHNOLOGY CO., LTD.                                                                       |
| Address   | 36F, High-Tech Zone Union Tower, No.63, Xuefu Road, Nanshan District, Shenzhen, Guangdong, China |

### 2.2 Manufacturer Information

|              |                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------|
| Manufacturer | UROVO TECHNOLOGY CO., LTD.                                                                       |
| Address      | 36F, High-Tech Zone Union Tower, No.63, Xuefu Road, Nanshan District, Shenzhen, Guangdong, China |

### 2.3 General Description for Equipment under Test (EUT)

|                                           |                                                                                                                                                            |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT Name                                  | Smart POS                                                                                                                                                  |
| Model Name Under Test                     | i5300L                                                                                                                                                     |
| Series Model Name                         | i5300, i5301, i5302, i5303, i5300B, i5300LA, i5300LB                                                                                                       |
| Description of Model name differentiation | All models are same with electrical parameters and internal circuit structure, but only differ in model name. (this information provided by the applicant) |
| Hardware Version                          | N/A                                                                                                                                                        |
| Software Version                          | N/A                                                                                                                                                        |
| Dimensions (Approx.)                      | N/A                                                                                                                                                        |
| Weight (Approx.)                          | N/A                                                                                                                                                        |

## 2.4 Technical Information

|                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Network and Wireless connectivity for EUT                                                                                                                                                                                            | 3G Network GSM/GPRS/EGPRS 850/1900 MHz<br>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network FDD LTE Band 2/4/5/7/12/17/25/26/66<br>TDD LTE Band 38/41<br>Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac<br>GPS, GLONASS, NFC |
| About the Product                                                                                                                                                                                                                        | The equipment is Smart POS, intended for used with information technology equipment.                                                                                                                                                                             |
| Note 1:<br>The EUT is a Smart POS, supporting dual SIM card slots under the same transceiver. Both SIM card slots support GSM, WCDMA and LTE. And both SIM card slots share the same transceiver, so only SIM1 is tested in this report. |                                                                                                                                                                                                                                                                  |

The following is the technical information of the EUT tested frequency bands in this report.

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                              |       |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Operating Bands | GSM/GPRS/EGPRS 850/1900 MHz<br>WCDMA/HSDPA/HSUPA Band 2/4/5<br>FDD LTE Band 2/4/5/7/12/17/25/26/66<br>TDD LTE Band 38/41                                                                                                                                                                                                                                                                                                     |       |
| Modulation Type | GSM/GPRS                                                                                                                                                                                                                                                                                                                                                                                                                     | GMSK  |
|                 | EGPRS                                                                                                                                                                                                                                                                                                                                                                                                                        | 8PSK  |
|                 | WCDMA                                                                                                                                                                                                                                                                                                                                                                                                                        | QPSK  |
|                 | HSDPA                                                                                                                                                                                                                                                                                                                                                                                                                        | QPSK  |
|                 | /HSUPA                                                                                                                                                                                                                                                                                                                                                                                                                       | 16QAM |
|                 | LTE                                                                                                                                                                                                                                                                                                                                                                                                                          | QPSK  |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                              | 16QAM |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                              | 64QAM |
| Multislot Class | GPRS/EGPRS: 12                                                                                                                                                                                                                                                                                                                                                                                                               |       |
| Antenna Type    | PIFA Antenna                                                                                                                                                                                                                                                                                                                                                                                                                 |       |
| Antenna Gain    | GSM/GPRS/EGPRS 850: 0.48 dBi<br>GSM/GPRS/EGPRS 1900: 2.33 dBi<br>WCDMA/HSDPA/HSUPA Band 2: 2.33 dBi<br>WCDMA/HSDPA/HSUPA Band 4: 1.62 dBi<br>WCDMA/HSDPA/HSUPA Band 5: 0.48 dBi<br>FDD LTE Band 2: 2.33 dBi<br>FDD LTE Band 4: 1.62 dBi<br>FDD LTE Band 5: 0.48 dBi<br>FDD LTE Band 7: 2.78 dBi<br>FDD LTE Band 12: 2.05 dBi<br>FDD LTE Band 17: 2.05 dBi<br>FDD LTE Band 25: 2.33 dBi<br>FDD LTE Band 26 (part22): 0.48 dBi |       |

|                                    |             |      | FDD LTE Band 26 (part90): 0.54 dBi<br>TDD LTE Band 38: 2.86 dBi<br>TDD LTE Band 41: 2.86 dBi<br>FDD LTE Band 66: 1.99 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     |
|------------------------------------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| The Max RF Output Power (EIRP/ERP) |             |      | GSM/GPRS/EGPRS 850: 30.94 dBm<br>GSM/GPRS/EGPRS 1900: 32.58 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 24.56 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 24.38 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 21.52 dBm<br>FDD LTE Band 2: 25.29 dBm<br>FDD LTE Band 4: 25.14 dBm<br>FDD LTE Band 5: 21.70 dBm<br>FDD LTE Band 7: 25.65 dBm<br>FDD LTE Band 12: 23.08 dBm<br>FDD LTE Band 17: 23.11 dBm<br>FDD LTE Band 25: 25.37 dBm<br>FDD LTE Band 26 (part22): 21.92 dBm<br>FDD LTE Band 26 (part90): 22.01 dBm<br>TDD LTE Band 38: 25.49 dBm<br>TDD LTE Band 41: 25.36 dBm<br>FDD LTE Band 66: 25.74 dBm |                     |
| Band                               | Power Class |      | Tx Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rx Frequency Range  |
|                                    | GMSK        | 8PSK |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |
| GSM850                             | 4           | E2   | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 869 MHz ~ 894 MHz   |
| GSM1900                            | 1           | E2   | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1930 MHz ~ 1990 MHz |
| WCDMA B2                           | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1930 MHz ~ 1990 MHz |
| WCDMA B4                           | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2110 MHz ~ 2155 MHz |
| WCDMA B5                           | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 869 MHz ~ 894 MHz   |
| LTE B2                             | 3           |      | 1850 MHz ~ 1910 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1930 MHz ~ 1990 MHz |
| LTE B4                             | 3           |      | 1710 MHz ~ 1755 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2110 MHz ~ 2155 MHz |
| LTE B5                             | 3           |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 869 MHz ~ 894 MHz   |
| LTE B7                             | 3           |      | 2500 MHz ~ 2570 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2620 MHz ~ 2690 MHz |
| LTE B12                            | 3           |      | 699 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 729 MHz ~ 746 MHz   |
| LTE B17                            | 3           |      | 704 MHz ~ 716 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 734 MHz ~ 746 MHz   |
| LTE B25                            | 3           |      | 1850 MHz ~ 1915 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1930 MHz ~ 1995 MHz |
| LTE B26                            | 3           |      | 814 MHz ~ 824 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 859 MHz ~ 869 MHz   |
|                                    |             |      | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 869 MHz ~ 894 MHz   |
| LTE B38                            | 3           |      | 2570 MHz ~ 2620 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2570 MHz ~ 2620 MHz |
| LTE B41                            | 3           |      | 2496 MHz ~ 2690 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2496 MHz ~ 2690 MHz |
| LTE B66                            | 3           |      | 1710 MHz ~ 1780 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2110 MHz ~ 2180 MHz |

Note1: The EUT information provided by the applicant, except for The Max RF Conducted Power. For more detailed band specifications and features description, please refer to the manufacturer's specifications or user's manual.

Note 2: There are multiple antennas for WWAN to transceiving, which can be switched but can't transmit simultaneously. Details please refer to internal photos.

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

| No. | Identity                    | Document Title                                                                                                    |
|-----|-----------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 2               | Frequency Allocations and Radio Treaty Matters;<br>General Rules and Regulations                                  |
| 2   | 47 CFR Part 22<br>Subpart H | Cellular Radiotelephone Service                                                                                   |
| 3   | 47 CFR Part 24<br>Subpart E | Broadband PCS                                                                                                     |
| 4   | 47 CFR Part 27              | Miscellaneous Wireless Communications Services                                                                    |
| 5   | 47 CFR Part 90<br>Subpart S | Regulations Governing Licensing and Use of Frequencies in the<br>806-824, 851-869, 896-901, and 935-940 MHz Bands |
| 6   | ANSI C63.26-2015            | American National Standard for Compliance Testing of<br>Transmitters Used in Licensed Radio Services              |
| 7   | KDB 971168<br>D01 v03       | Measurement Guidance for Certification of Licensed Digital<br>Transmitters                                        |

### 3.2 Test Verdict

| No. | Test Description                       | FCC Part No.                                     | Test Result                | Test Verdict |
|-----|----------------------------------------|--------------------------------------------------|----------------------------|--------------|
| 1   | Conducted RF Output Power              | 2.1046                                           | Reporting only (ANNEX A.1) | Pass         |
| 2   | Effective (Isotropic) Radiated Power   | 2.1046<br>22.913<br>24.232<br>27.50<br>90.635(b) | ANNEX A.1                  | Pass         |
| 3   | Peak to Average Ratio                  | 2.1046<br>24.232(d)<br>27.50(d)                  | ANNEX A.2                  | Pass         |
| 4   | Occupied Bandwidth                     | 2.1049<br>22.917<br>24.238<br>27.53<br>90.209    | ANNEX A.3                  | Pass         |
| 5   | Frequency Stability                    | 2.1055<br>22.355<br>24.235<br>27.54<br>90.213    | ANNEX A.4                  | Pass         |
| 6   | Spurious Emission at Antenna Terminals | 2.1051<br>22.917<br>24.238<br>27.53<br>90.691    | ANNEX A.5                  | Pass         |
| 7   | Band Edge                              | 2.1051<br>22.917<br>24.238<br>27.53<br>90.691    | ANNEX A.6                  | Pass         |
| 8   | Field Strength of Spurious Radiation   | 2.1053<br>22.917<br>24.238<br>27.53<br>90.691    | ANNEX A.7                  | Pass         |

### 3.3 Measurement Uncertainty

| Test Case                              | Uncertainty                                            |
|----------------------------------------|--------------------------------------------------------|
| Conducted RF Output Power              | 0.68dB                                                 |
| Effective (Isotropic) Radiated Power   | 2.50dB                                                 |
| Peak to Average Ratio                  | 0.015%                                                 |
| Occupied Bandwidth                     | 1.4/3MHz: 30kHz<br>5/10MHz: 100kHz<br>15/20MHz: 300kHz |
| Frequency Stability                    | 12Hz                                                   |
| Spurious Emission at Antenna Terminals | 2.56dB                                                 |
| Band Edge                              | 1.48dB                                                 |
| Field Strength of Spurious Radiation   | 4.55dB                                                 |

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

During the measurement, the environmental conditions were within the listed ranges:

|                             |                         |                   |
|-----------------------------|-------------------------|-------------------|
| Relative Humidity           |                         | 20% to 75%        |
| Atmospheric Pressure        |                         | 98 kPa to 102 kPa |
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.8 V             |
|                             | LV (Low Voltage)        | 4.2V              |
|                             | HV (High Voltage)       | 3.6V              |
| Test Temperature of the EUT | NT (Normal Temperature) | 15 °C to 35 °C    |
|                             | LT (Low Temperature)    | -30 °C            |
|                             | HT (High Temperature)   | 60 °C             |

### 4.2 Test Equipment List

| Description                          | Manufacturer | Model      | Serial No.         | Version  | Cal. Date  | Cal. Due   |
|--------------------------------------|--------------|------------|--------------------|----------|------------|------------|
| <b>2/3/4/5G RF Test System</b>       |              |            |                    |          |            |            |
| BL410 Test Software                  | BALUN        | BL410R     | N/A                | 3.0.536  | N/A        | N/A        |
| CMUgo Test Software                  | R&S          | CMUgo      | N/A                | V2.0.1   | N/A        | N/A        |
| Temperature Chamber                  | OK           | OK-TH-100C | OK2022110401       | N/A      | 2024/10/31 | 2025/10/30 |
| Universal Radio Communication Tester | R&S          | CMU 200    | 119280             | V5.13    | 2024-12-19 | 2025-12-18 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 100854             | V3.7.172 | 2025-01-15 | 2026-01-14 |
| Wideband Radio Communication Tester  | R&S          | CMW 500    | 120598             | V3.7.172 | 2024-09-11 | 2025-09-10 |
| Spectrum Analyzer                    | Agilent      | E4440A     | MY46181663         | A.11.21  | 2025-07-15 | 2026-07-14 |
| DC Power Supply                      | ITECH        | IT6863A    | 800014020757120008 | N/A      | 2025-07-28 | 2026-07-27 |
| Spectrum Analyzer                    | keysight     | N9020A     | MY50531628         | A.16.09  | 2025-04-30 | 2026-04-29 |
| <b>Radiated Test System</b>          |              |            |                    |          |            |            |

|                                     |             |            |            |          |            |            |
|-------------------------------------|-------------|------------|------------|----------|------------|------------|
| Radiated Test System Test Software  | BALUN       | BL410-E    | N/A        | V22.4    | N/A        | N/A        |
| Wideband Radio Communication Tester | R&S         | CMW 500    | 100854     | V3.7.172 | 2025-01-15 | 2026-01-14 |
| Wideband Radio Communication Tester | R&S         | CMW 500    | 120598     | V3.7.172 | 2024-09-11 | 2025-09-10 |
| Test Antenna-Bi-Log(30 MHz-3 GHz)   | Schwarzbeck | VULB 9163  | 01414      | N/A      | 2023-11-03 | 2026-11-02 |
| Test Antenna-Horn(1-18 GHz)         | Schwarzbeck | BBHA 9120D | 02459      | N/A      | 2023-10-26 | 2026-10-25 |
| Anechoic Chamber                    | YIHENG      | C8-966     | N/A        | N/A      | 2024-05-15 | 2027-05-11 |
| EMI Receiver                        | Keysight    | N9038A     | MY55330121 | A.20.03  | 2025-04-16 | 2026-04-15 |

### 4.3 Test Configurations

| Test Items                             | Test Mode    | Test Channel |     |     |
|----------------------------------------|--------------|--------------|-----|-----|
|                                        |              | LCH          | MCH | HCH |
| Effective (Isotropic) Radiated Power   | GSM 850      | v            | v   | v   |
|                                        | GSM 1900     | v            | v   | v   |
|                                        | GPRS 850     | v            | v   | v   |
|                                        | GPRS 1900    | v            | v   | v   |
|                                        | EGPRS 850    | v            | v   | v   |
|                                        | EGPRS 1900   | v            | v   | v   |
|                                        | WCDMA Band 2 | v            | v   | v   |
|                                        | WCDMA Band 4 | v            | v   | v   |
|                                        | WCDMA Band 5 | v            | v   | v   |
|                                        | HSDPA Band 2 | v            | v   | v   |
|                                        | HSDPA Band 4 | v            | v   | v   |
|                                        | HSDPA Band 5 | v            | v   | v   |
|                                        | HSUPA Band 2 | v            | v   | v   |
|                                        | HSUPA Band 4 | v            | v   | v   |
|                                        | HSUPA Band 5 | v            | v   | v   |
| Peak to Average Ratio                  | WCDMA Band 2 | v            | v   | v   |
|                                        | WCDMA Band 4 | v            | v   | v   |
|                                        | WCDMA Band 5 | v            | v   | v   |
| Occupied Bandwidth                     | GSM 850      | v            | v   | v   |
|                                        | GSM 1900     | v            | v   | v   |
|                                        | EGPRS 850    | v            | v   | v   |
|                                        | EGPRS 1900   | v            | v   | v   |
|                                        | WCDMA Band 2 | v            | v   | v   |
|                                        | WCDMA Band 4 | v            | v   | v   |
|                                        | WCDMA Band 5 | v            | v   | v   |
| Frequency Stability                    | GSM 850      | v            | v   | v   |
|                                        | GSM 1900     | v            | v   | v   |
|                                        | GPRS 850     | v            | v   | v   |
|                                        | GPRS 1900    | v            | v   | v   |
|                                        | EGPRS 850    | v            | v   | v   |
|                                        | EGPRS 1900   | v            | v   | v   |
|                                        | WCDMA Band 2 | v            | v   | v   |
|                                        | WCDMA Band 4 | v            | v   | v   |
|                                        | WCDMA Band 5 | v            | v   | v   |
| Spurious Emission at Antenna Terminals | GSM 850      | v            | v   | v   |
|                                        | GSM 1900     | v            | v   | v   |
|                                        | EGPRS 850    | v            | v   | v   |
|                                        | EGPRS 1900   | v            | v   | v   |
|                                        | WCDMA Band 2 | v            | v   | v   |

| Test Items                                                                | Test Mode    | Test Channel |     |     |
|---------------------------------------------------------------------------|--------------|--------------|-----|-----|
|                                                                           |              | LCH          | MCH | HCH |
|                                                                           | WCDMA Band 4 | v            | v   | v   |
|                                                                           | WCDMA Band 5 | v            | v   | v   |
| Band Edge                                                                 | GSM 850      | v            | --  | v   |
|                                                                           | GSM 1900     | v            | --  | v   |
|                                                                           | EGPRS 850    | v            | --  | v   |
|                                                                           | EGPRS 1900   | v            | --  | v   |
|                                                                           | WCDMA Band 2 | v            | --  | v   |
|                                                                           | WCDMA Band 4 | v            | --  | v   |
|                                                                           | WCDMA Band 5 | v            | --  | v   |
| Field Strength of Spurious Radiation                                      | GSM 850      | v            | v   | v   |
|                                                                           | GSM 1900     | v            | v   | v   |
|                                                                           | EGPRS 850    | v            | v   | v   |
|                                                                           | EGPRS 1900   | v            | v   | v   |
|                                                                           | WCDMA Band 2 | v            | v   | v   |
|                                                                           | WCDMA Band 4 | v            | v   | v   |
|                                                                           | WCDMA Band 5 | v            | v   | v   |
| Note 1: The mark "v" means that this configuration is chosen for testing. |              |              |     |     |

| Test Mode           | UL Channel     | UL Channel No. | UL Frequency (MHz) |
|---------------------|----------------|----------------|--------------------|
| GSM/GPRS/EGPRS 850  | Low Channel    | 128            | 824.2              |
|                     | Middle Channel | 190            | 836.6              |
|                     | High Channel   | 251            | 848.8              |
| GSM/GPRS/EGPRS 1900 | Low Channel    | 512            | 1850.2             |
|                     | Middle Channel | 661            | 1880.0             |
|                     | High Channel   | 810            | 1909.8             |
| WCDMA Band 2        | Low Channel    | 9262           | 1852.4             |
|                     | Middle Channel | 9400           | 1880.0             |
|                     | High Channel   | 9538           | 1907.6             |
| WCDMA Band 4        | Low Channel    | 1312           | 1712.4             |
|                     | Middle Channel | 1412           | 1732.4             |
|                     | High Channel   | 1513           | 1752.6             |
| WCDMA Band 5        | Low Channel    | 4132           | 826.4              |
|                     | Middle Channel | 4182           | 836.4              |
|                     | High Channel   | 4233           | 846.6              |

| LTE Band                             | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |     |     |
|--------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|--------|-----|------|------|--------------|-----|-----|
|                                      | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| Effective (Isotropic) Radiated Power |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 4                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 5                                    | v               | v  | v  | v  | n  | n  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 7                                    | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 12                                   | v               | v  | v  | v  | n  | n  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 17                                   | n               | n  | v  | v  | n  | n  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 25                                   | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 26(Part22)                           | v               | v  | v  | v  | v  | n  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 26(Part90)                           | v               | v  | v  | v  | -- | n  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 38                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 41                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| 66                                   | v               | v  | v  | v  | v  | v  | v               | v      | v      | v   | v    | v    | v            | v   | v   |
| Peak to Average Ratio                |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                    | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 4                                    | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 5                                    | --              | -- | -- | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 7                                    | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 12                                   | --              | -- | -- | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 17                                   | n               | n  | -- | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 25                                   | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 26(Part22)                           | --              | -- | -- | -- | v  | n  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 26(Part90)                           | --              | -- | -- | v  | -- | n  | v               | v      | --     | v   | --   | v    | --           | v   | --  |
| 38                                   | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 41                                   | n               | n  | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| 66                                   | --              | -- | -- | -- | -- | v  | v               | v      | --     | v   | --   | v    | v            | v   | v   |
| Occupied Bandwidth                   |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 4                                    | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 5                                    | v               | v  | v  | v  | n  | n  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 7                                    | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 12                                   | v               | v  | v  | v  | n  | n  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 17                                   | n               | n  | v  | v  | n  | n  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 25                                   | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 26(Part22)                           | v               | v  | v  | v  | v  | n  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 26(Part90)                           | v               | v  | v  | v  | -- | n  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 38                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 41                                   | n               | n  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |
| 66                                   | v               | v  | v  | v  | v  | v  | v               | v      | v      | --  | --   | v    | v            | v   | v   |

| LTE Band                               | Bandwidth (MHz) |    |    |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |     |     |
|----------------------------------------|-----------------|----|----|----|----|----|-----------------|--------|--------|-----|------|------|--------------|-----|-----|
|                                        | 1.4             | 3  | 5  | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| Frequency Stability                    |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | --              | -- | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 4                                      | --              | -- | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 5                                      | --              | -- | -- | v  | n  | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 7                                      | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 12                                     | --              | -- | -- | v  | n  | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 17                                     | n               | n  | -- | v  | n  | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 25                                     | --              | -- | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 26(Part22)                             | --              | -- | -- | v  | -- | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 26(Part90)                             | --              | -- | -- | v  | -- | n  | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 38                                     | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 41                                     | n               | n  | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| 66                                     | --              | -- | -- | v  | -- | -- | v               | v      | --     | --  | --   | v    | --           | v   | --  |
| Spurious Emission at Antenna Terminals |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 4                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 5                                      | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 7                                      | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 12                                     | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 17                                     | n               | n  | v  | v  | n  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 25                                     | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 26(Part22)                             | v               | v  | v  | v  | v  | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 26(Part90)                             | v               | v  | v  | v  | -- | n  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 38                                     | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| 66                                     | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | --   | v            | v   | v   |
| Band Edge                              |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |
| 2                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 4                                      | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 5                                      | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 7                                      | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 12                                     | v               | v  | v  | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 17                                     | n               | n  | v  | v  | n  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 25                                     | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 26(Part22)                             | v               | v  | v  | v  | v  | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 26(Part90)                             | v               | v  | v  | v  | -- | n  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 38                                     | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 41                                     | n               | n  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| 66                                     | v               | v  | v  | v  | v  | v  | v               | v      | --     | v   | --   | v    | v            | --  | v   |
| Field Strength of Spurious Radiation   |                 |    |    |    |    |    |                 |        |        |     |      |      |              |     |     |

| LTE Band   | Bandwidth (MHz) |   |   |    |    |    | Modulation Type |        |        | RB# |      |      | Test Channel |     |     |
|------------|-----------------|---|---|----|----|----|-----------------|--------|--------|-----|------|------|--------------|-----|-----|
|            | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK            | 16-QAM | 64-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 2          | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 4          | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 5          | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 7          | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 12         | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 17         | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 25         | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 26(Part22) | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 26(Part90) | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 38         | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 41         | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |
| 66         | Worst Case      |   |   |    |    |    |                 |        |        |     |      |      |              |     |     |

Note 1: The mark “v” means that this configuration is chosen for testing.

Note 2: The mark “n” means that this bandwidth is not supported.

| Test Mode  | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|------------|--------------|-------------------------|----------------|--------------------|
| LTE Band 2 | Low Range    | 1.4                     | 18607          | 1850.7             |
|            |              | 3                       | 18615          | 1851.5             |
|            |              | 5                       | 18625          | 1852.5             |
|            |              | 10                      | 18650          | 1855               |
|            |              | 15                      | 18675          | 1857.5             |
|            |              | 20                      | 18700          | 1860               |
|            | Middle Range | 1.4/3/5/10/15/20        | 18900          | 1880               |
|            | High Range   | 1.4                     | 19193          | 1909.3             |
|            |              | 3                       | 19185          | 1908.5             |
|            |              | 5                       | 19175          | 1907.5             |
|            |              | 10                      | 19150          | 1905               |
|            |              | 15                      | 19125          | 1902.5             |
|            |              | 20                      | 19100          | 1900               |
| LTE Band 4 | Low Range    | 1.4                     | 19957          | 1710.7             |
|            |              | 3                       | 19965          | 1711.5             |
|            |              | 5                       | 19975          | 1712.5             |
|            |              | 10                      | 20000          | 1715               |
|            |              | 15                      | 20025          | 1717.5             |
|            |              | 20                      | 20050          | 1720               |
|            | Middle Range | 1.4/3/5/10/15/20        | 20175          | 1732.5             |
|            | High Range   | 1.4                     | 20393          | 1754.3             |
|            |              | 3                       | 20385          | 1753.5             |
|            |              | 5                       | 20375          | 1752.5             |

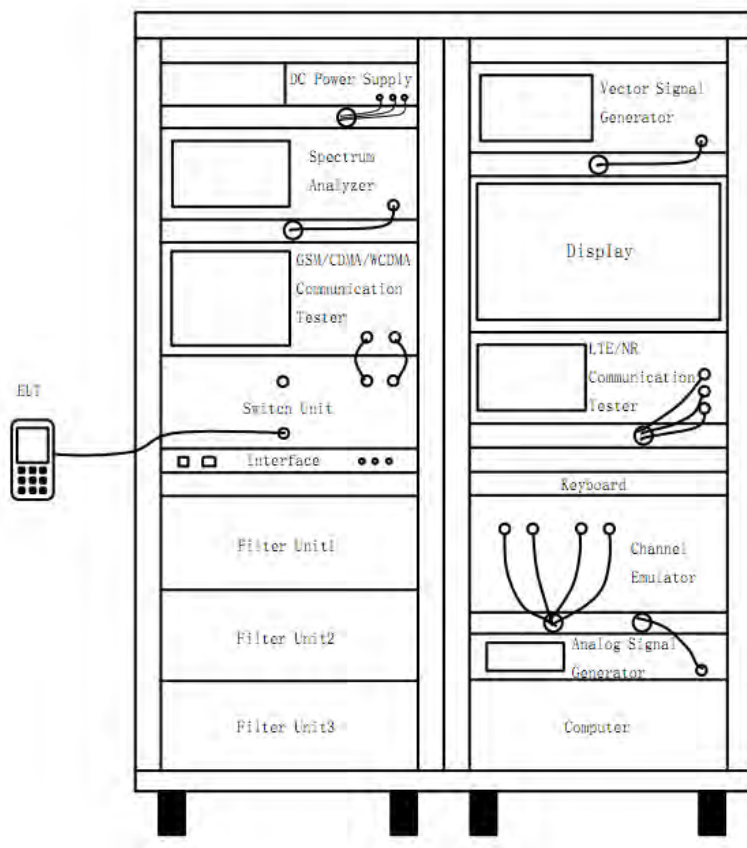
| Test Mode    | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|--------------|--------------|-------------------------|----------------|--------------------|
|              |              | 10                      | 20350          | 1750               |
|              |              | 15                      | 20325          | 1747.5             |
|              |              | 20                      | 20300          | 1745               |
| LTE Band 5   | Low Range    | 1.4                     | 20407          | 824.7              |
|              |              | 3                       | 20415          | 825.5              |
|              |              | 5                       | 20425          | 826.5              |
|              |              | 10                      | 20450          | 829                |
|              | Middle Range | 1.4/3/5/10              | 20525          | 836.5              |
|              | High Range   | 1.4                     | 20643          | 848.3              |
|              |              | 3                       | 20635          | 847.5              |
|              |              | 5                       | 20625          | 846.5              |
|              |              | 10                      | 20600          | 844                |
|              | LTE Band 7   | Low Range               | 5              | 20775              |
| 10           |              |                         | 20800          | 2505               |
| 15           |              |                         | 20825          | 2507.5             |
| 20           |              |                         | 20850          | 2510               |
| Middle Range |              | 5/10/15/20              | 21100          | 2535               |
| High Range   |              | 5                       | 21425          | 2567.5             |
|              |              | 10                      | 21400          | 2565               |
|              |              | 15                      | 21375          | 2562.5             |
|              |              | 20                      | 21350          | 2560               |
| LTE Band 12  |              | Low Range               | 1.4            | 23017              |
|              | 3            |                         | 23025          | 700.5              |
|              | 5            |                         | 23035          | 701.5              |
|              | 10           |                         | 23060          | 704                |
|              | Middle Range | 1.4/3/5/10              | 23095          | 707.5              |
|              | High Range   | 1.4                     | 23173          | 715.3              |
|              |              | 3                       | 23165          | 714.5              |
|              |              | 5                       | 23155          | 713.5              |
|              |              | 10                      | 23130          | 711                |
|              | LTE Band 17  | Low Range               | 5              | 23755              |
| 10           |              |                         | 23780          | 709                |
| Middle Range |              | 5/10                    | 23790          | 710                |
| High Range   |              | 5                       | 23825          | 713.5              |
|              |              | 10                      | 23800          | 711                |
| LTE Band 25  | Low Range    | 1.4                     | 26047          | 1850.7             |
|              |              | 3                       | 26055          | 1851.5             |
|              |              | 5                       | 26065          | 1852.5             |
|              |              | 10                      | 26090          | 1855               |
|              |              | 15                      | 26115          | 1857.5             |
|              |              | 20                      | 26140          | 1860               |

| Test Mode            | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|----------------------|--------------|-------------------------|----------------|--------------------|
|                      | Middle Range | 1.4/3/5/10/15/20        | 26365          | 1882.5             |
|                      | High Range   | 1.4                     | 26683          | 1914.3             |
|                      |              | 3                       | 26675          | 1913.5             |
|                      |              | 5                       | 26665          | 1912.5             |
|                      |              | 10                      | 26640          | 1910               |
|                      |              | 15                      | 26615          | 1907.5             |
|                      |              | 20                      | 26590          | 1905               |
| LTE Band 26 (Part22) | Low Range    | 1.4                     | 26797          | 824.7              |
|                      |              | 3                       | 26805          | 825.5              |
|                      |              | 5                       | 26815          | 826.5              |
|                      |              | 10                      | 26840          | 829                |
|                      |              | 15                      | 26865          | 831.5              |
|                      | Middle Range | 1.4/3/5/10/15           | 26915          | 836.5              |
|                      | High Range   | 1.4                     | 27033          | 848.3              |
|                      |              | 3                       | 27025          | 847.5              |
|                      |              | 5                       | 27015          | 846.5              |
|                      |              | 10                      | 26990          | 844                |
|                      |              | 15                      | 26965          | 841.5              |
| LTE Band 26 (Part90) | Low Range    | 1.4                     | 26697          | 814.7              |
|                      |              | 3                       | 26705          | 815.5              |
|                      |              | 5                       | 26715          | 816.5              |
|                      |              | 10                      | ---            | ---                |
|                      | Middle Range | 1.4/3/5/10              | 26740          | 819                |
|                      | High Range   | 1.4                     | 26783          | 823.3              |
|                      |              | 3                       | 26775          | 822.5              |
|                      |              | 5                       | 26765          | 821.5              |
|                      |              | 10                      | ---            | ---                |
|                      |              |                         |                |                    |
| LTE Band 38          | Low Range    | 5                       | 37775          | 2572.5             |
|                      |              | 10                      | 37800          | 2575               |
|                      |              | 15                      | 37825          | 2577.5             |
|                      |              | 20                      | 37850          | 2580               |
|                      | Middle Range | 5/10/15/20              | 38000          | 2595               |
|                      | High Range   | 5                       | 38225          | 2617.5             |
|                      |              | 10                      | 38200          | 2615               |
|                      |              | 15                      | 38175          | 2612.5             |
|                      |              | 20                      | 38150          | 2610               |
|                      |              |                         |                |                    |
| LTE Band 41          | Low Range    | 5                       | 39675          | 2498.5             |
|                      |              | 10                      | 39700          | 2501               |
|                      |              | 15                      | 39725          | 2503.5             |
|                      |              | 20                      | 39750          | 2506               |
|                      | Middle Range | 5/10/15/20              | 40620          | 2593               |

| Test Mode   | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------|--------------|-------------------------|----------------|--------------------|
|             | High Range   | 5                       | 41565          | 2687.5             |
|             |              | 10                      | 41540          | 2685               |
|             |              | 15                      | 41515          | 2682.5             |
|             |              | 20                      | 41490          | 2680               |
| LTE Band 66 | Low Range    | 1.4                     | 131979         | 1710.7             |
|             |              | 3                       | 131987         | 1711.5             |
|             |              | 5                       | 131997         | 1712.5             |
|             |              | 10                      | 132022         | 1715               |
|             |              | 15                      | 132047         | 1717.5             |
|             |              | 20                      | 132072         | 1720               |
|             | Middle Range | 1.4/3/5/10/15/20        | 132322         | 1745               |
|             | High Range   | 1.4                     | 132665         | 1779.3             |
|             |              | 3                       | 132657         | 1778.5             |
|             |              | 5                       | 132647         | 1777.5             |
|             |              | 10                      | 132622         | 1775               |
|             |              | 15                      | 132597         | 1772.5             |
|             |              | 20                      | 132572         | 1770               |

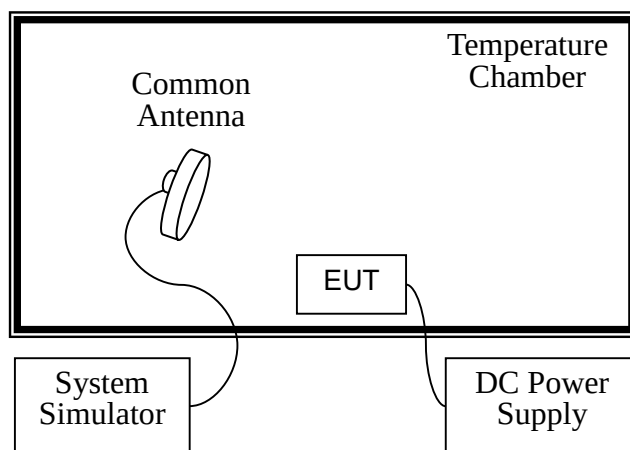
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



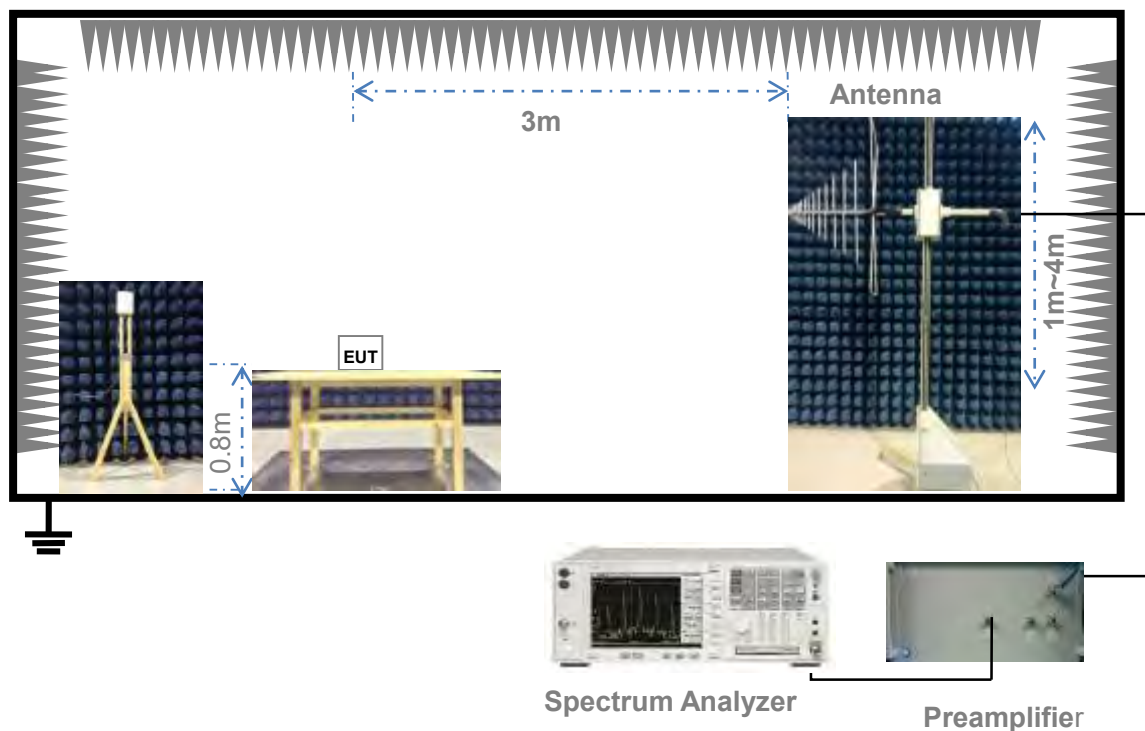
(Diagram 1)

### 4.4.2 For Frequency Stability Test



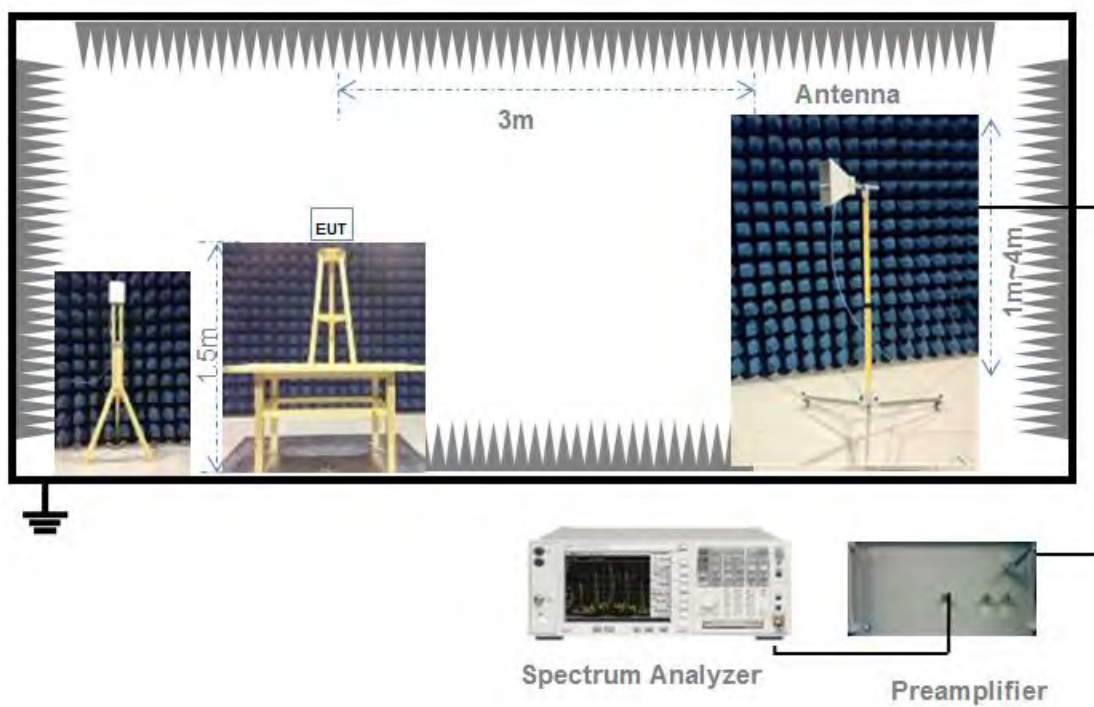
(Diagram 2)

#### 4.4.3 For Radiated Test (30 MHz ~ 1 GHz)



(Diagram 3)

#### 4.4.4 For Radiated Test (Above 1 GHz)



(Diagram 4)

## 5 TEST ITEMS

### 5.1 Transmitter Radiated Power (EIRP/ERP)

#### 5.1.1 Limit

FCC § 2.1046 & 22.913(a) & 24.232(c) & 27.50(a) & 27.50(b) & 27.50(c) & 27.50(d) & 27.50(h) & 27.50(j) & 27.50(k) & 90.635(b)

According to FCC section 22.913(a) (5), the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(a) (3), for mobile and portable stations transmitting in the 2305-2315MHz band or the 2350-2360MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands.

FCC section 27.50(b) (10), portable stations (hand-held devices) transmitting in the 746-757MHz, 776-788MHz, and 805-806MHz bands are limited to 3 watts ERP.

FCC section 27.50(c) (10), portable stations (hand-held devices) in the 600MHz uplink band and the 698-746MHz band, and fixed and mobile stations in the 600MHz uplink band are limited to 3 watts ERP.

FCC section 27.50(d) (4), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(7) Fixed, mobile, and portable (hand-held) stations operating in the 2000-2020 MHz band are limited to 2 watts EIRP.

And FCC section 27.50(h) (2), for mobile and other user stations, mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

FCC section 27.50(j) (3), for mobile, and portable (hand-held) stations operating in the 3700-3980 MHz band are limited to 1 watt EIRP.

FCC section 27.50(k) (3), Mobile devices are limited to 1Watt (30 dBm) EIRP in the 3450-3550 MHz band.

According to FCC section 90.635(b), the maximum output power of the transmitter for mobile stations is 100 watts (20dBW).

### 5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for conducted test, and the section 4.4.3 and 4.4.4 (Diagram 3, 4) test setup description is used for radiated test. The photo of test setup please refer to ANNEX B.

### 5.1.3 Test Procedure

#### **Description of the Conducted Output Power Measurement**

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are 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 relevant equation for determining the conducted measured value is:

$$\text{Conducted Output Power Value (dBm)} = \text{Measured Value (dBm)} + \text{Path Loss (dB)}$$

where:

Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm;

Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm;

Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB;

During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB).

For example:

In the conducted output power test, when measured value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is:

$$\text{Conducted Output Power Value (dBm)} = 24.7 \text{ dBm} + 8.5 \text{ dB} = 33.2 \text{ dBm}$$

## **Description of the Transmitter Radiated Power Measurement**

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below:

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = P_{\text{Meas}} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as  $P_{\text{Meas}}$ , typically dBW or dBm);

$P_{\text{Meas}}$  = measured transmitter output power or PSD, in dBm or dBW;

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

dBd (ERP)=dBi (EIRP) -2.15 dB

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

For example:

In the EIRP test, when  $P_{\text{Meas}}$  value for GSM1900 is 30.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final EIRP value is:

$$\text{EIRP for GSM1900} = 30.2 \text{ dBm} - 3.4 \text{ dBi} - 0.6 \text{ dB} = 26.2 \text{ dBm}$$

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Peak to Average Ratio

### 5.2.1 Limit

FCC § 2.1046 & 24.232(d) & 27.50(d) & 27.50(j) & 27.50(k)

In addition, when the transmitter power is measured in terms of average value, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time using a signal corresponding to the highest PAPR during periods of continuous transmission.

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

FCC section 24.232(e), peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

According to FCC section 27.50(d) (5) & 27.50(j) & 27.50(k), in measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

### 5.2.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

### 5.2.3 Test Procedure

Here the lowest, middle and highest channels are selected to perform testing to verify the peak-to-average ratio.

According to KDB 971168 D01, there is CCDF procedure for PAPR:

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
  - 1) for continuous transmissions, set to 1 ms,

2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

e) Record the maximum PAPR level associated with a probability of 0.1%.

Alternate procedure for PAPR:

Use one of the procedures presented in 4.1 to measure the total peak power and record as  $P_{Pk}$ . Use one of the applicable procedures presented 4.2 to measure the total average power and record as  $P_{Avg}$ . Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm). Determine the PAPR from:

$$PAPR (dB) = P_{Pk} (dBm) - P_{Avg} (dBm).$$

#### 5.2.4 Test Result

Please refer to ANNEX A.2.

## 5.3 Occupied Bandwidth

### 5.3.1 Limit

#### FCC § 2.1049

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

Many of the individual rule parts specify a relative OBW in lieu of the 99% OBW. In such cases, the OBW is defined as the width of the signal between two points, one below the carrier center frequency and on above the carrier center frequency, outside of which all emissions are attenuated by at least X dB below the transmitter power, where the value of X is typically specified as 26.

### 5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

### 5.3.3 Test Procedure

The following procedure shall be used for measuring power bandwidth.

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the anticipated OBW).
- b) The nominal IF filter bandwidth (3 dB 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.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least  $10\log(\text{OBW} / \text{RBW})$  below the reference level.
- d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- e) For -26 dB OBW, the dynamic range of the spectrum analyzer at the selected RBW shall be at least 10dB below the target “-X dB down” requirement, e.g. -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be 36dB below the reference value.
- f) Set the detection mode to peak, and the trace mode to max hold.
- g) For 99% OBW, use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is

recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.

h) For -26 dB OBW, 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).

Determine the “-X dB down amplitude” as equal to (reference value -X). Alternatively, this calculation can be performed by the analyzer by using the marker-delta function.

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 “-X dB down amplitude” determined in step g). 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.

i) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

j) Change variable modulations, coding, or channel bandwidth settings, then repeat above test procedures.

#### 5.3.4 Test Result

Please refer to ANNEX A.3.

## 5.4 Frequency Stability

### 5.4.1 Limit

FCC § 2.1055 & 22.355 & 24.235 & 27.54 & 90.213

FCC § 2.1055

The frequency stability shall be measured with variation of ambient temperature as follows:

- (1) The temperature is varied from -30°C to +50°C.
- (2) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10°C through the range.

The frequency stability shall be measured with variation of primary supply voltage as follows:

- (1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than carried battery equipment.
- (2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating and point which shall be specified by the manufacture.
- (3) The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

FCC § 22.355

Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section.

**Table C-1—Frequency Tolerance for Transmitters in the Public Mobile Services**

| Frequency range (MHz) | Base, fixed (ppm) | Mobile > 3 watts (ppm) | Mobile ≤ 3 watts (ppm) |
|-----------------------|-------------------|------------------------|------------------------|
| 25 to 50              | 20.0              | 20.0                   | 50.0                   |
| 50 to 450             | 5.0               | 5.0                    | 50.0                   |
| 450 to 512            | 2.5               | 5.0                    | 5.0                    |
| 821 to 896            | 1.5               | 2.5                    | 2.5                    |
| 928 to 929            | 5.0               | n/a                    | n/a                    |
| 929 to 960            | 1.5               | n/a                    | n/a                    |
| 2110 to 2220          | 10.0              | n/a                    | n/a                    |

FCC § 24.235

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

#### FCC § 27.54

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

#### FCC § 90.213

The frequency stability shall not depart from the reference frequency in excess of  $\pm 2.5$  ppm for mobile stations.

### 5.4.2 Test Setup

The section 4.4.2 (Diagram 2) test setup description is used for this test. The photo of test setup please refer to ANNEX B.

### 5.4.3 Test Procedure

1. The EUT is placed in a temperature chamber.
2. The temperature is set to 25°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured.
3. The temperature is increased by not more than 10 degrees, allowed to stabilize and soak, and then repeat the frequency error measurement.
4. Repeat procedure 3 until +50°C and -30°C is reached.
5. Change supply voltage, and repeat measurement until extreme voltage is reached.

### 5.4.4 Test Result

Please refer to ANNEX A.4.

## 5.5 Spurious Emission at Antenna Terminals

### 5.5.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than:  $43 + 10 \log(P)$  dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log(P)$  dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than  $61 + 10 \log(P)$  dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than  $67 + 10 \log(P)$  dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2300 and 2305MHz,  $55 + 10 \log(P)$  dB on all frequencies between 2296 and 2300MHz,  $61 + 10 \log(P)$  dB on all frequencies between 2292 and 2296MHz,  $67 + 10 \log(P)$  dB on all frequencies between 2288 and 2292MHz, and  $70 + 10 \log(P)$  dB below 2288MHz.

(3) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2360 and 2365MHz, and not less than  $70 + 10 \log(P)$  dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

#### FCC § 27.53(f)

For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to - 70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

#### FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43+10*\log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

#### FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10} (P)$  dB.

#### FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

## FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40 + 10 \log P$  dB (–10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43 + 10 \log P$  dB (–13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55 + 10 \log P$  dB (–25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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.

## FCC § 27.53(n) (2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed –13 dBm/MHz.

## FCC § 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.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

## 5.5.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.5.3 Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. On any frequency outside a licensee's frequency block, the power of any emission shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency blocks a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.
2. Base Station is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. Spurious emissions are tested with 0.001MHz RBW for frequency less than 150kHz, 0.01MHz RBW for frequency less than 30MHz, 0.1MHz RBW for frequency less than 1GHz, and 1MHz RBW for frequency above 1GHz. And sweep point number are at least 401, referring to following formula.

Sweep point number = Span/RBW

VBW=3\*RBW

Detector Mode=mean or average power

5. Record the frequencies and levels of spurious emissions.

### 5.5.4 Test Result

Please refer to ANNEX A.5.

## 5.6 Band Edge

### 5.6.1 Limit

FCC § 2.1051 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691

In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than:  $43 + 10 \log(P)$  dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log(P)$  dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than  $61 + 10 \log(P)$  dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than  $67 + 10 \log(P)$  dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2300 and 2305MHz,  $55 + 10 \log(P)$  dB on all frequencies between 2296 and 2300MHz,  $61 + 10 \log(P)$  dB on all frequencies between 2292 and 2296MHz,  $67 + 10 \log(P)$  dB on all frequencies between 2288 and 2292MHz, and  $70 + 10 \log(P)$  dB below 2288MHz.

(3) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2360 and 2365MHz, and not less than  $70 + 10 \log(P)$  dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least  $43 + 10 \log (P)$  dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

#### FCC § 27.53(f)

For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

#### FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43+10*\log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

#### FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10} (P)$  dB.

#### FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

**FCC § 27.53(m) (4)**

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40 + 10 \log P$  dB (–10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43 + 10 \log P$  dB (–13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55 + 10 \log P$  dB (–25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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.

**FCC § 27.53(n) (2)**

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed –13 dBm/MHz.

**FCC § 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.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

**5.6.2 Test Setup**

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.6.3 Test Procedure

The EUT, which is powered by the Battery, is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.

1. The EUT is coupled to the system simulator and spectrum analyzer; the RF load attached to EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading.
2. Base Station is used to establish communication with the EUT, and its parameters are set to force the EUT transmitting at maximum output power.
3. The RF output of the transmitter is connected to the input of the spectrum analyzer through sufficient attenuation.
4. The center of the spectrum analyzer was set to block edge frequency.
5. Band edge are tested with 1%\*cBW (RBW), and sweep point number referred to following formula.

$$\text{Sweep point number} = 2 * \text{Span} / \text{RBW}$$

$$\text{VBW} = 3 \text{RBW}$$

6. Record the frequencies and levels of spurious emissions.

For mobile and portable stations, on all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment. Since it was not possible to set the resolution bandwidth to 6.25 kHz with the available equipment, a bandwidth of 10 kHz was used instead to show compliance. By using a 10 kHz bandwidth on the spectrum analyzer.

$$10 * \log(10 \text{ kHz} / 6.25 \text{ kHz}) = 2.04 \text{ dB}$$

$$\text{Limit Line} = -35 \text{ dBm} + 2.04 \text{ dB} = -32.96 \text{ dBm}$$

### 5.6.4 Test Result

Please refer to ANNEX A.6.

## 5.7 Field Strength of Spurious Radiation

### 5.7.1 Limit

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691

FCC § 22.917(a) & 24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. This is calculated to be -13 dBm.

FCC § 27.53(a) (4)

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

(1) By a factor of not less than:  $43 + 10 \log(P)$  dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log(P)$  dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than  $61 + 10 \log(P)$  dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than  $67 + 10 \log(P)$  dB on all frequencies between 2328 and 2337MHz.

(2) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2300 and 2305MHz,  $55 + 10 \log(P)$  dB on all frequencies between 2296 and 2300MHz,  $61 + 10 \log(P)$  dB on all frequencies between 2292 and 2296MHz,  $67 + 10 \log(P)$  dB on all frequencies between 2288 and 2292MHz, and  $70 + 10 \log(P)$  dB below 2288MHz.

(3) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2360 and 2365MHz, and not less than  $70 + 10 \log(P)$  dB above 2365MHz.

FCC § 27.53(c)

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the

band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $76 + 10 \log(P)$  dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of

measurement instrumentation employing a resolution bandwidth of 100 kHz or greater.

However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth

of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f)

For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to - 70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g)

For operations in the 600MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43+10\log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC § 27.53(h) (1)

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.

FCC § 27.53(l) (2)

For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$  dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$  dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55+10\log P$  dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

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.

#### FCC § 27.53(n) (2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

#### FCC § 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.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

### 5.7.2 Test Setup

The section 4.4.3 and 4.4.4 (Diagram 3, 4) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.7.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.
4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth was set to 1 MHz.
5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the

transmitter under test.

6. The test antenna shall be raised and lowered through the specified range of height until the maximum signal level is detected by the measuring receiver.

7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.

8. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.

9. The maximum signal level detected by the measuring receiver shall be noted.

10. The EUT was replaced by half-wave dipole (824 ~ 849 MHz) or horn antenna (1 850 ~ 1 910 MHz) connected to a signal generator.

11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase

the sensitivity of the measuring receiver.

12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.

13. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, which is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.

14. The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.

15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.

Final measurement calculation as below:

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm;

Correction Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer,

so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

#### 5.7.4 Test Result

Please refer to ANNEX A.7.

## ANNEX A TEST RESULTS

### A.1 Transmitter Radiated Power (EIRP/ERP)

#### GSM Mode Test Data

| Test Band | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-----------|--------------|-----------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| GSM 850   | LCH          | 32.59                             | 0.48               | -1.67              | 30.92     | 1.236   | 7.00      | Pass    |
|           | MCH          | 32.55                             | 0.48               | -1.67              | 30.88     | 1.225   | 7.00      | Pass    |
|           | HCH          | 32.55                             | 0.48               | -1.67              | 30.88     | 1.225   | 7.00      | Pass    |
| GPRS 850  | LCH          | 32.61                             | 0.48               | -1.67              | 30.94     | 1.242   | 7.00      | Pass    |
|           | MCH          | 32.57                             | 0.48               | -1.67              | 30.90     | 1.230   | 7.00      | Pass    |
|           | HCH          | 32.55                             | 0.48               | -1.67              | 30.88     | 1.225   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 30.44                             | 0.48               | -1.67              | 28.77     | 0.753   | 7.00      | Pass    |
|           | MCH          | 30.35                             | 0.48               | -1.67              | 28.68     | 0.738   | 7.00      | Pass    |
|           | HCH          | 30.38                             | 0.48               | -1.67              | 28.71     | 0.743   | 7.00      | Pass    |

| Test Band  | Test Channel | Conducted Output Peak Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------------------------------|--------------------|------------|----------|-----------|---------|
| GSM 1900   | LCH          | 30.21                             | 2.33               | 32.54      | 1.795    | 2.00      | Pass    |
|            | MCH          | 29.83                             | 2.33               | 32.16      | 1.644    | 2.00      | Pass    |
|            | HCH          | 29.65                             | 2.33               | 31.98      | 1.578    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 30.25                             | 2.33               | 32.58      | 1.811    | 2.00      | Pass    |
|            | MCH          | 29.85                             | 2.33               | 32.18      | 1.652    | 2.00      | Pass    |
|            | HCH          | 29.68                             | 2.33               | 32.01      | 1.589    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 29.40                             | 2.33               | 31.73      | 1.489    | 2.00      | Pass    |
|            | MCH          | 29.17                             | 2.33               | 31.50      | 1.413    | 2.00      | Pass    |
|            | HCH          | 28.72                             | 2.33               | 31.05      | 1.274    | 2.00      | Pass    |

Note 1: For the GPRS and EGPRS mode, all slots were tested and just the worst data were recorded in this table.

Note 2:  $ERP/EIRP = P_{Meas} + GT - LC$

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as  $P_{Meas}$ , typically dBW or dBm);

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

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

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$ ; where ERP and EIRP are expressed in consistent units.

Note 3: Set PCL to 5 for GSM/GPRS 850 (power class 4) and 0 for GSM/GPRS 1900 (power class 1).

Set PCL to 8 for EGPRS850 (power class E2) and 2 for EGPRS1900 (power class E2).

GPRS Conducted Output Power

| Band         | Channel | Conducted Output Peak Power |               |                  |                |                  |                |                  |                |
|--------------|---------|-----------------------------|---------------|------------------|----------------|------------------|----------------|------------------|----------------|
|              |         | 1 Slot<br>(dBm)             | 1 Slot<br>(W) | 2 Slots<br>(dBm) | 2 Slots<br>(W) | 3 Slots<br>(dBm) | 3 Slots<br>(W) | 4 Slots<br>(dBm) | 4 Slots<br>(W) |
| GPRS<br>850  | LCH     | 32.61                       | 1.82          | 31.92            | 1.55           | 30.26            | 1.06           | 29.24            | 0.84           |
|              | MCH     | 32.57                       | 1.81          | 31.90            | 1.55           | 30.22            | 1.05           | 29.20            | 0.83           |
|              | HCH     | 32.55                       | 1.80          | 31.87            | 1.54           | 30.17            | 1.04           | 29.14            | 0.82           |
| GPRS<br>1900 | LCH     | 30.25                       | 1.06          | 29.30            | 0.85           | 27.48            | 0.56           | 26.45            | 0.44           |
|              | MCH     | 29.85                       | 0.97          | 28.93            | 0.78           | 27.07            | 0.51           | 26.03            | 0.40           |
|              | HCH     | 29.68                       | 0.93          | 28.75            | 0.75           | 26.93            | 0.49           | 25.87            | 0.39           |

EGPRS Conducted Output Power

| Band          | Channel | Conducted Output Peak Power |               |                  |                |                  |                |                  |                |
|---------------|---------|-----------------------------|---------------|------------------|----------------|------------------|----------------|------------------|----------------|
|               |         | 1 Slot<br>(dBm)             | 1 Slot<br>(W) | 2 Slots<br>(dBm) | 2 Slots<br>(W) | 3 Slots<br>(dBm) | 3 Slots<br>(W) | 4 Slots<br>(dBm) | 4 Slots<br>(W) |
| EGPRS<br>850  | LCH     | 30.44                       | 1.11          | 29.18            | 0.83           | 26.99            | 0.50           | 25.83            | 0.38           |
|               | MCH     | 30.35                       | 1.08          | 29.30            | 0.85           | 27.11            | 0.51           | 26.01            | 0.40           |
|               | HCH     | 30.38                       | 1.09          | 29.35            | 0.86           | 27.39            | 0.55           | 25.95            | 0.39           |
| EGPRS<br>1900 | LCH     | 29.40                       | 0.87          | 27.98            | 0.63           | 25.82            | 0.38           | 24.57            | 0.29           |
|               | MCH     | 29.17                       | 0.83          | 27.57            | 0.57           | 25.39            | 0.35           | 24.11            | 0.26           |
|               | HCH     | 28.72                       | 0.74          | 27.24            | 0.53           | 24.97            | 0.31           | 23.64            | 0.23           |

## WCDMA Mode Test Data

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 2 | LCH          | 22.23                           | 2.33               | 24.56      | 0.286    | 2.00      | Pass    |
|              | MCH          | 22.13                           | 2.33               | 24.46      | 0.279    | 2.00      | Pass    |
|              | HCH          | 21.91                           | 2.33               | 24.24      | 0.265    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 21.26                           | 2.33               | 23.59      | 0.229    | 2.00      | Pass    |
|              | MCH          | 21.20                           | 2.33               | 23.53      | 0.225    | 2.00      | Pass    |
|              | HCH          | 20.96                           | 2.33               | 23.29      | 0.213    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 20.24                           | 2.33               | 22.57      | 0.181    | 2.00      | Pass    |
|              | MCH          | 20.18                           | 2.33               | 22.51      | 0.178    | 2.00      | Pass    |
|              | HCH          | 19.95                           | 2.33               | 22.28      | 0.169    | 2.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| WCDMA Band 4 | LCH          | 22.64                           | 1.62               | 24.26      | 0.267    | 1.00      | Pass    |
|              | MCH          | 22.73                           | 1.62               | 24.35      | 0.272    | 1.00      | Pass    |
|              | HCH          | 22.76                           | 1.62               | 24.38      | 0.274    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 21.73                           | 1.62               | 23.35      | 0.216    | 1.00      | Pass    |
|              | MCH          | 21.77                           | 1.62               | 23.39      | 0.218    | 1.00      | Pass    |
|              | HCH          | 21.83                           | 1.62               | 23.45      | 0.221    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 20.72                           | 1.62               | 22.34      | 0.171    | 1.00      | Pass    |
|              | MCH          | 20.78                           | 1.62               | 22.40      | 0.174    | 1.00      | Pass    |
|              | HCH          | 20.79                           | 1.62               | 22.41      | 0.174    | 1.00      | Pass    |

| Test Band    | Test Channel | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------|--------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| WCDMA Band 5 | LCH          | 23.19                           | 0.48               | -1.67              | 21.52     | 0.142   | 7.00      | Pass    |
|              | MCH          | 22.95                           | 0.48               | -1.67              | 21.28     | 0.134   | 7.00      | Pass    |
|              | HCH          | 22.95                           | 0.48               | -1.67              | 21.28     | 0.134   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 22.26                           | 0.48               | -1.67              | 20.59     | 0.115   | 7.00      | Pass    |
|              | MCH          | 22.03                           | 0.48               | -1.67              | 20.36     | 0.109   | 7.00      | Pass    |
|              | HCH          | 21.97                           | 0.48               | -1.67              | 20.30     | 0.107   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 21.42                           | 0.48               | -1.67              | 19.75     | 0.094   | 7.00      | Pass    |
|              | MCH          | 21.18                           | 0.48               | -1.67              | 19.51     | 0.089   | 7.00      | Pass    |
|              | HCH          | 21.15                           | 0.48               | -1.67              | 19.48     | 0.089   | 7.00      | Pass    |

Note 1: For the HSDPA and HSUPA mode, all subtests were tested and just the worst data were recorded in this table.

Note 2:  $ERP/EIRP = P_{Meas} + GT - LC$

$ERP/EIRP$  = effective or equivalent radiated power, respectively (expressed in the same units as  $P_{Meas}$ , typically dBW or dBm);

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

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

$LC$  = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

$ERP = EIRP - 2.15$ ; where ERP and EIRP are expressed in consistent units.

#### HSDPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B2               | Subtest 1     | 21.26      | 21.20 | 20.96 | 0.134    | 0.132 | 0.125 |
|                        | Subtest 2     | 21.22      | 21.16 | 20.88 | 0.132    | 0.131 | 0.122 |
|                        | Subtest 3     | 20.72      | 20.66 | 20.42 | 0.118    | 0.116 | 0.110 |
|                        | Subtest 4     | 20.71      | 20.66 | 20.41 | 0.118    | 0.116 | 0.110 |
| HSDPA B4               | Subtest 1     | 21.73      | 21.77 | 21.83 | 0.149    | 0.150 | 0.152 |
|                        | Subtest 2     | 21.68      | 21.72 | 21.73 | 0.147    | 0.149 | 0.149 |
|                        | Subtest 3     | 21.20      | 21.24 | 21.27 | 0.132    | 0.133 | 0.134 |
|                        | Subtest 4     | 21.16      | 21.24 | 21.29 | 0.131    | 0.133 | 0.135 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA B5               | Subtest 1     | 22.26      | 22.03 | 21.97 | 0.168    | 0.160 | 0.157 |
|                        | Subtest 2     | 22.17      | 21.98 | 21.89 | 0.165    | 0.158 | 0.155 |
|                        | Subtest 3     | 21.71      | 21.44 | 21.42 | 0.148    | 0.139 | 0.139 |
|                        | Subtest 4     | 21.69      | 21.41 | 21.40 | 0.148    | 0.138 | 0.138 |

HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B2               | Subtest 1     | 19.25      | 19.19 | 18.95 | 0.084    | 0.083 | 0.079 |
|                        | Subtest 2     | 19.25      | 19.19 | 18.94 | 0.084    | 0.083 | 0.078 |
|                        | Subtest 3     | 20.24      | 20.18 | 19.93 | 0.106    | 0.104 | 0.098 |
|                        | Subtest 4     | 18.77      | 18.69 | 18.45 | 0.075    | 0.074 | 0.070 |
|                        | Subtest 5     | 20.22      | 20.16 | 19.95 | 0.105    | 0.104 | 0.099 |
| HSUPA B4               | Subtest 1     | 19.72      | 19.78 | 19.80 | 0.094    | 0.095 | 0.095 |
|                        | Subtest 2     | 19.70      | 19.77 | 19.80 | 0.093    | 0.095 | 0.095 |
|                        | Subtest 3     | 20.72      | 20.78 | 20.79 | 0.118    | 0.120 | 0.120 |
|                        | Subtest 4     | 19.24      | 19.29 | 19.37 | 0.084    | 0.085 | 0.086 |
|                        | Subtest 5     | 20.67      | 20.76 | 20.78 | 0.117    | 0.119 | 0.120 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA B5               | Subtest 1     | 20.42      | 20.18 | 20.14 | 0.110    | 0.104 | 0.103 |
|                        | Subtest 2     | 20.41      | 20.17 | 20.14 | 0.110    | 0.104 | 0.103 |
|                        | Subtest 3     | 21.42      | 21.18 | 21.15 | 0.139    | 0.131 | 0.130 |
|                        | Subtest 4     | 19.94      | 19.71 | 19.67 | 0.099    | 0.094 | 0.093 |
|                        | Subtest 5     | 21.40      | 21.17 | 21.13 | 0.138    | 0.131 | 0.130 |

## LTE Mode Test Data

| Test BW    | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| LTE Band 2 |              |           |                        |                                 |                    |            |          |           |         |
| 1.4 MHz    | LCH          | QPSK      | RB1#0                  | 22.67                           | 2.33               | 25.00      | 0.316    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.83                           | 2.33               | 25.16      | 0.328    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 22.66                           | 2.33               | 24.99      | 0.316    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.77                           | 2.33               | 25.10      | 0.324    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 22.82                           | 2.33               | 25.15      | 0.327    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 22.75                           | 2.33               | 25.08      | 0.322    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 21.91                           | 2.33               | 24.24      | 0.265    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 21.98                           | 2.33               | 24.31      | 0.270    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 21.94                           | 2.33               | 24.27      | 0.267    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 21.74                           | 2.33               | 24.07      | 0.255    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 21.81                           | 2.33               | 24.14      | 0.259    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 20.82                           | 2.33               | 23.15      | 0.207    | 2.000     | Pass    |
|            |              | 64-QAM    | RB1#0                  | 20.88                           | 2.33               | 23.21      | 0.209    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 20.92                           | 2.33               | 23.25      | 0.211    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 20.92                           | 2.33               | 23.25      | 0.211    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 20.84                           | 2.33               | 23.17      | 0.207    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 20.92                           | 2.33               | 23.25      | 0.211    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 20.88                           | 2.33               | 23.21      | 0.209    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 19.77                           | 2.33               | 22.10      | 0.162    | 2.000     | Pass    |
|            | MCH          | QPSK      | RB1#0                  | 22.4                            | 2.33               | 24.73      | 0.297    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 22.4                            | 2.33               | 24.73      | 0.297    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 22.53                           | 2.33               | 24.86      | 0.306    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.48                           | 2.33               | 23.81      | 0.240    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 21.67                           | 2.33               | 24.00      | 0.251    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 21.4                            | 2.33               | 23.73      | 0.236    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 21.49                           | 2.33               | 23.82      | 0.241    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|            |              | 64-QAM    | RB1#0                  | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 20.75                           | 2.33               | 23.08      | 0.203    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   | HCH          |           | RB1#5                  | 20.51                           | 2.33               | 22.84      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB3#0                  | 20.62                           | 2.33               | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB3#2                  | 20.65                           | 2.33               | 22.98      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB3#3                  | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB6#0                  | 19.46                           | 2.33               | 21.79      | 0.151    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 22.51                           | 2.33               | 24.84      | 0.305    | 2.000     | Pass    |
|                   |              |           | RB1#3                  | 22.64                           | 2.33               | 24.97      | 0.314    | 2.000     | Pass    |
|                   |              |           | RB1#5                  | 22.49                           | 2.33               | 24.82      | 0.303    | 2.000     | Pass    |
|                   |              |           | RB3#0                  | 22.59                           | 2.33               | 24.92      | 0.310    | 2.000     | Pass    |
|                   |              |           | RB3#2                  | 22.64                           | 2.33               | 24.97      | 0.314    | 2.000     | Pass    |
|                   |              |           | RB3#3                  | 22.56                           | 2.33               | 24.89      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB6#0                  | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB1#3                  | 21.77                           | 2.33               | 24.10      | 0.257    | 2.000     | Pass    |
|                   |              |           | RB1#5                  | 21.69                           | 2.33               | 24.02      | 0.252    | 2.000     | Pass    |
|                   |              |           | RB3#0                  | 21.55                           | 2.33               | 23.88      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB3#2                  | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB3#3                  | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB6#0                  | 20.6                            | 2.33               | 22.93      | 0.196    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.66                           | 2.33               | 22.99      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB1#3                  | 20.68                           | 2.33               | 23.01      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB1#5                  | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB3#0                  | 20.61                           | 2.33               | 22.94      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB3#2                  | 20.65                           | 2.33               | 22.98      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB3#3                  | 20.61                           | 2.33               | 22.94      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB6#0                  | 19.6                            | 2.33               | 21.93      | 0.156    | 2.000     | Pass    |
| 3 MHz             | LCH          | QPSK      | RB1#0                  | 22.72                           | 2.33               | 25.05      | 0.320    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.89                           | 2.33               | 25.22      | 0.333    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.69                           | 2.33               | 25.02      | 0.318    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 21.74                           | 2.33               | 24.07      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 21.8                            | 2.33               | 24.13      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 21.71                           | 2.33               | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.02                           | 2.33               | 24.35      | 0.272    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.08                           | 2.33               | 24.41      | 0.276    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 21.93                           | 2.33               | 24.26      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 20.85                           | 2.33               | 23.18      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 20.85                           | 2.33               | 23.18      | 0.208    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB8#7                  | 20.8                            | 2.33               | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 20.79                           | 2.33               | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.89                           | 2.33               | 23.22      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 20.99                           | 2.33               | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 20.87                           | 2.33               | 23.20      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 19.8                            | 2.33               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 19.81                           | 2.33               | 22.14      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 19.8                            | 2.33               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 19.75                           | 2.33               | 22.08      | 0.161    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.43                           | 2.33               | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.6                            | 2.33               | 24.93      | 0.311    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.42                           | 2.33               | 24.75      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 21.47                           | 2.33               | 23.80      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 21.51                           | 2.33               | 23.84      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 21.46                           | 2.33               | 23.79      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 21.47                           | 2.33               | 23.80      | 0.240    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.69                           | 2.33               | 24.02      | 0.252    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 21.9                            | 2.33               | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 21.71                           | 2.33               | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 20.49                           | 2.33               | 22.82      | 0.191    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.61                           | 2.33               | 22.94      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 20.8                            | 2.33               | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 20.62                           | 2.33               | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 19.5                            | 2.33               | 21.83      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 19.53                           | 2.33               | 21.86      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 19.49                           | 2.33               | 21.82      | 0.152    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.53                           | 2.33               | 24.86      | 0.306    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 22.75                           | 2.33               | 25.08      | 0.322    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 22.55                           | 2.33               | 24.88      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 21.61                           | 2.33               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.74                           | 2.33               | 24.07      | 0.255    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#7                  | 21.9                            | 2.33               | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 21.7                            | 2.33               | 24.03      | 0.253    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 20.62                           | 2.33               | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.66                           | 2.33               | 22.99      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB1#7                  | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#14                 | 20.69                           | 2.33               | 23.02      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB8#0                  | 19.64                           | 2.33               | 21.97      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB8#4                  | 19.66                           | 2.33               | 21.99      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB8#7                  | 19.64                           | 2.33               | 21.97      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB15#0                 | 19.6                            | 2.33               | 21.93      | 0.156    | 2.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 22.61                           | 2.33               | 24.94      | 0.312    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.87                           | 2.33               | 25.20      | 0.331    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.62                           | 2.33               | 24.95      | 0.313    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.71                           | 2.33               | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.81                           | 2.33               | 24.14      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.69                           | 2.33               | 24.02      | 0.252    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB25#0                 | 21.73                           | 2.33               | 24.06      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 21.85                           | 2.33               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.03                           | 2.33               | 24.36      | 0.273    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.8                            | 2.33               | 24.13      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 20.74                           | 2.33               | 23.07      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 20.78                           | 2.33               | 23.11      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.72                           | 2.33               | 23.05      | 0.202    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.76                           | 2.33               | 23.09      | 0.204    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.75                           | 2.33               | 23.08      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 21.07                           | 2.33               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 20.77                           | 2.33               | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 19.73                           | 2.33               | 22.06      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 19.8                            | 2.33               | 22.13      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 19.72                           | 2.33               | 22.05      | 0.160    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.73                           | 2.33               | 22.06      | 0.161    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.36                           | 2.33               | 24.69      | 0.294    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.61                           | 2.33               | 24.94      | 0.312    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.36                           | 2.33               | 24.69      | 0.294    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.46                           | 2.33               | 23.79      | 0.239    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB12#6                 | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.46                           | 2.33               | 23.79      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.48                           | 2.33               | 23.81      | 0.240    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 21.87                           | 2.33               | 24.20      | 0.263    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 20.48                           | 2.33               | 22.81      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.46                           | 2.33               | 22.79      | 0.190    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.49                           | 2.33               | 22.82      | 0.191    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 20.82                           | 2.33               | 23.15      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 19.47                           | 2.33               | 21.80      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 19.55                           | 2.33               | 21.88      | 0.154    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 19.48                           | 2.33               | 21.81      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.51                           | 2.33               | 21.84      | 0.153    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.44                           | 2.33               | 24.77      | 0.300    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.72                           | 2.33               | 25.05      | 0.320    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.43                           | 2.33               | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.52                           | 2.33               | 23.85      | 0.243    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.62                           | 2.33               | 23.95      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.57                           | 2.33               | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.62                           | 2.33               | 23.95      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 21.94                           | 2.33               | 24.27      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.72                           | 2.33               | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 20.5                            | 2.33               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 20.6                            | 2.33               | 22.93      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.51                           | 2.33               | 22.84      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 20.85                           | 2.33               | 23.18      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 20.62                           | 2.33               | 22.95      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 19.66                           | 2.33               | 21.99      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 22.81                           | 2.33               | 25.14      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.93                           | 2.33               | 25.26      | 0.336    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.79                           | 2.33               | 25.12      | 0.325    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.86                           | 2.33               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.88                           | 2.33               | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.82                           | 2.33               | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.85                           | 2.33               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.1                            | 2.33               | 24.43      | 0.277    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.12                           | 2.33               | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.87                           | 2.33               | 24.20      | 0.263    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.89                           | 2.33               | 23.22      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.89                           | 2.33               | 23.22      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 20.85                           | 2.33               | 23.18      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.9                            | 2.33               | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.05                           | 2.33               | 23.38      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 21.14                           | 2.33               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 20.95                           | 2.33               | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.88                           | 2.33               | 22.21      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 19.89                           | 2.33               | 22.22      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 19.82                           | 2.33               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.43                           | 2.33               | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.61                           | 2.33               | 24.94      | 0.312    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.42                           | 2.33               | 24.75      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.55                           | 2.33               | 23.88      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.52                           | 2.33               | 23.85      | 0.243    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.63                           | 2.33               | 23.96      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 21.73                           | 2.33               | 24.06      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.67                           | 2.33               | 24.00      | 0.251    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 20.67                           | 2.33               | 23.00      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   | HCH          |           | RB25#0                 | 19.55                           | 2.33               | 21.88      | 0.154    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 19.49                           | 2.33               | 21.82      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.54                           | 2.33               | 21.87      | 0.154    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 22.45                           | 2.33               | 24.78      | 0.301    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.68                           | 2.33               | 25.01      | 0.317    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.56                           | 2.33               | 24.89      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.64                           | 2.33               | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.61                           | 2.33               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.61                           | 2.33               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.72                           | 2.33               | 24.05      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 21.85                           | 2.33               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.81                           | 2.33               | 24.14      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.7                            | 2.33               | 23.03      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 20.66                           | 2.33               | 22.99      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.6                            | 2.33               | 21.93      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 19.64                           | 2.33               | 21.97      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 19.62                           | 2.33               | 21.95      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.61                           | 2.33               | 21.94      | 0.156    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                  | 22.71                           | 2.33               | 25.04      | 0.319    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.96                           | 2.33               | 25.29      | 0.338    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.57                           | 2.33               | 24.90      | 0.309    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.82                           | 2.33               | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.8                            | 2.33               | 24.13      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.79                           | 2.33               | 24.12      | 0.258    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.96                           | 2.33               | 24.29      | 0.269    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.18                           | 2.33               | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.85                           | 2.33               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.81                           | 2.33               | 23.14      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 20.83                           | 2.33               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 20.77                           | 2.33               | 23.10      | 0.204    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB75#0                 | 20.79                           | 2.33               | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 20.95                           | 2.33               | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 21.17                           | 2.33               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 20.78                           | 2.33               | 23.11      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 19.83                           | 2.33               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 19.83                           | 2.33               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 19.76                           | 2.33               | 22.09      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 19.78                           | 2.33               | 22.11      | 0.163    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.41                           | 2.33               | 24.74      | 0.298    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.6                            | 2.33               | 24.93      | 0.311    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.37                           | 2.33               | 24.70      | 0.295    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.49                           | 2.33               | 23.82      | 0.241    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.61                           | 2.33               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.48                           | 2.33               | 22.81      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 20.46                           | 2.33               | 22.79      | 0.190    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.61                           | 2.33               | 22.94      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 20.74                           | 2.33               | 23.07      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 19.49                           | 2.33               | 21.82      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 19.49                           | 2.33               | 21.82      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 19.51                           | 2.33               | 21.84      | 0.153    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.33                           | 2.33               | 24.66      | 0.292    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.65                           | 2.33               | 24.98      | 0.315    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.45                           | 2.33               | 24.78      | 0.301    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.51                           | 2.33               | 23.84      | 0.242    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.61                           | 2.33               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.55                           | 2.33               | 23.88      | 0.244    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.62                           | 2.33               | 23.95      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 21.87                           | 2.33               | 24.20      | 0.263    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#74                 | 21.66                           | 2.33               | 23.99      | 0.251    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.47                           | 2.33               | 22.80      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 20.5                            | 2.33               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 20.49                           | 2.33               | 22.82      | 0.191    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 20.71                           | 2.33               | 23.04      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 19.48                           | 2.33               | 21.81      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 19.57                           | 2.33               | 21.90      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 19.53                           | 2.33               | 21.86      | 0.153    | 2.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                  | 22.61                           | 2.33               | 24.94      | 0.312    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.86                           | 2.33               | 25.19      | 0.330    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.3                            | 2.33               | 24.63      | 0.290    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.84                           | 2.33               | 24.17      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.84                           | 2.33               | 24.17      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.77                           | 2.33               | 24.10      | 0.257    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.82                           | 2.33               | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.16                           | 2.33               | 24.49      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 20.83                           | 2.33               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.78                           | 2.33               | 23.11      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 20.82                           | 2.33               | 23.15      | 0.207    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.78                           | 2.33               | 23.11      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 21.01                           | 2.33               | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 20.49                           | 2.33               | 22.82      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 19.83                           | 2.33               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 19.76                           | 2.33               | 22.09      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 19.81                           | 2.33               | 22.14      | 0.164    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.35                           | 2.33               | 24.68      | 0.294    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.55                           | 2.33               | 24.88      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.17                           | 2.33               | 24.50      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB50#50                | 21.52                           | 2.33               | 23.85      | 0.243    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 21.77                           | 2.33               | 24.10      | 0.257    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.42                           | 2.33               | 23.75      | 0.237    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.5                            | 2.33               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 20.69                           | 2.33               | 23.02      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 20.43                           | 2.33               | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.57                           | 2.33               | 21.90      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 19.58                           | 2.33               | 21.91      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 19.52                           | 2.33               | 21.85      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 19.54                           | 2.33               | 21.87      | 0.154    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.26                           | 2.33               | 24.59      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.56                           | 2.33               | 24.89      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.31                           | 2.33               | 24.64      | 0.291    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.61                           | 2.33               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.46                           | 2.33               | 23.79      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 21.64                           | 2.33               | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.43                           | 2.33               | 22.76      | 0.189    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 20.38                           | 2.33               | 22.71      | 0.187    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.55                           | 2.33               | 21.88      | 0.154    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 19.57                           | 2.33               | 21.90      | 0.155    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 19.59                           | 2.33               | 21.92      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 19.55                           | 2.33               | 21.88      | 0.154    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                  | 23.06                           | 1.62               | 24.68      | 0.294    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 23.21                           | 1.62               | 24.83      | 0.304    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 23.05                           | 1.62               | 24.67      | 0.293    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 23.15                           | 1.62               | 24.77      | 0.300    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.2                            | 1.62               | 24.82      | 0.303    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 23.18                           | 1.62               | 24.80      | 0.302    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.2                            | 1.62               | 23.82      | 0.241    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.22                           | 1.62               | 23.84      | 0.242    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.41                           | 1.62               | 24.03      | 0.253    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.09                           | 1.62               | 23.71      | 0.235    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.18                           | 1.62               | 23.80      | 0.240    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.07                           | 1.62               | 23.69      | 0.234    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.24                           | 1.62               | 22.86      | 0.193    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.31                           | 1.62               | 22.93      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 21.39                           | 1.62               | 23.01      | 0.200    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 21.21                           | 1.62               | 22.83      | 0.192    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 21.34                           | 1.62               | 22.96      | 0.198    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 21.28                           | 1.62               | 22.90      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 20.2                            | 1.62               | 21.82      | 0.152    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23.13                           | 1.62               | 24.75      | 0.299    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 23.27                           | 1.62               | 24.89      | 0.308    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 23.16                           | 1.62               | 24.78      | 0.301    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 23.23                           | 1.62               | 24.85      | 0.305    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.28                           | 1.62               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 23.28                           | 1.62               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.26                           | 1.62               | 23.88      | 0.244    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.33                           | 1.62               | 23.95      | 0.248    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.55                           | 1.62               | 24.17      | 0.261    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.38                           | 1.62               | 24.00      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.14                           | 1.62               | 23.76      | 0.238    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.11                           | 1.62               | 23.73      | 0.236    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.4                            | 1.62               | 23.02      | 0.200    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.33                           | 1.62               | 22.95      | 0.197    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 21.45                           | 1.62               | 23.07      | 0.203    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   | HCH          |           | RB1#5                  | 21.34                           | 1.62               | 22.96      | 0.198    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 21.39                           | 1.62               | 23.01      | 0.200    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 21.41                           | 1.62               | 23.03      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 21.38                           | 1.62               | 23.00      | 0.200    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 20.25                           | 1.62               | 21.87      | 0.154    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 23.28                           | 1.62               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 23.38                           | 1.62               | 25.00      | 0.316    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 23.31                           | 1.62               | 24.93      | 0.311    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 23.37                           | 1.62               | 24.99      | 0.316    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 23.4                            | 1.62               | 25.02      | 0.318    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 23.4                            | 1.62               | 25.02      | 0.318    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 22.37                           | 1.62               | 23.99      | 0.251    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.44                           | 1.62               | 24.06      | 0.255    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.77                           | 1.62               | 24.39      | 0.275    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.58                           | 1.62               | 24.20      | 0.263    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.4                            | 1.62               | 24.02      | 0.252    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.44                           | 1.62               | 24.06      | 0.255    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.32                           | 1.62               | 23.94      | 0.248    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.47                           | 1.62               | 23.09      | 0.204    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.52                           | 1.62               | 23.14      | 0.206    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 21.6                            | 1.62               | 23.22      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 21.53                           | 1.62               | 23.15      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 21.55                           | 1.62               | 23.17      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 21.5                            | 1.62               | 23.12      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 20.4                            | 1.62               | 22.02      | 0.159    | 1.000     | Pass    |
| 3 MHz             | LCH          | QPSK      | RB1#0                  | 23.13                           | 1.62               | 24.75      | 0.299    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 23.24                           | 1.62               | 24.86      | 0.306    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 23.11                           | 1.62               | 24.73      | 0.297    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 22.15                           | 1.62               | 23.77      | 0.238    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 22.21                           | 1.62               | 23.83      | 0.242    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.17                           | 1.62               | 23.79      | 0.239    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 22.18                           | 1.62               | 23.80      | 0.240    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.32                           | 1.62               | 23.94      | 0.248    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.4                            | 1.62               | 24.02      | 0.252    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 21.21                           | 1.62               | 22.83      | 0.192    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 21.28                           | 1.62               | 22.90      | 0.195    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB8#7                  | 21.24                           | 1.62               | 22.86      | 0.193    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.2                            | 1.62               | 22.82      | 0.191    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.31                           | 1.62               | 22.93      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 21.39                           | 1.62               | 23.01      | 0.200    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 21.36                           | 1.62               | 22.98      | 0.199    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 20.23                           | 1.62               | 21.85      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 20.25                           | 1.62               | 21.87      | 0.154    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 20.21                           | 1.62               | 21.83      | 0.152    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 20.18                           | 1.62               | 21.80      | 0.151    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23.22                           | 1.62               | 24.84      | 0.305    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 23.38                           | 1.62               | 25.00      | 0.316    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 23.19                           | 1.62               | 24.81      | 0.303    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 22.24                           | 1.62               | 23.86      | 0.243    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 22.29                           | 1.62               | 23.91      | 0.246    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.22                           | 1.62               | 23.84      | 0.242    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.43                           | 1.62               | 24.05      | 0.254    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 22.56                           | 1.62               | 24.18      | 0.262    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.36                           | 1.62               | 23.98      | 0.250    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 21.32                           | 1.62               | 22.94      | 0.197    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 21.36                           | 1.62               | 22.98      | 0.199    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 21.32                           | 1.62               | 22.94      | 0.197    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.28                           | 1.62               | 22.90      | 0.195    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.37                           | 1.62               | 22.99      | 0.199    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 21.5                            | 1.62               | 23.12      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 20.33                           | 1.62               | 21.95      | 0.157    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 20.35                           | 1.62               | 21.97      | 0.157    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 20.33                           | 1.62               | 21.95      | 0.157    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 20.32                           | 1.62               | 21.94      | 0.156    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 23.35                           | 1.62               | 24.97      | 0.314    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 23.49                           | 1.62               | 25.11      | 0.324    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 23.31                           | 1.62               | 24.93      | 0.311    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 22.34                           | 1.62               | 23.96      | 0.249    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 22.38                           | 1.62               | 24.00      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 22.32                           | 1.62               | 23.94      | 0.248    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 22.35                           | 1.62               | 23.97      | 0.249    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.61                           | 1.62               | 24.23      | 0.265    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#7                  | 22.83                           | 1.62               | 24.45      | 0.279    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 22.54                           | 1.62               | 24.16      | 0.261    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 21.49                           | 1.62               | 23.11      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 21.48                           | 1.62               | 23.10      | 0.204    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 21.43                           | 1.62               | 23.05      | 0.202    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 21.42                           | 1.62               | 23.04      | 0.201    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.6                            | 1.62               | 23.22      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB1#7                  | 21.74                           | 1.62               | 23.36      | 0.217    | 1.000     | Pass    |
|                   |              |           | RB1#14                 | 21.55                           | 1.62               | 23.17      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB8#0                  | 20.43                           | 1.62               | 22.05      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB8#4                  | 20.44                           | 1.62               | 22.06      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB8#7                  | 20.41                           | 1.62               | 22.03      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB15#0                 | 20.38                           | 1.62               | 22.00      | 0.158    | 1.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 23.01                           | 1.62               | 24.63      | 0.290    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 23.28                           | 1.62               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 23                              | 1.62               | 24.62      | 0.290    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 22.15                           | 1.62               | 23.77      | 0.238    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 22.22                           | 1.62               | 23.84      | 0.242    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 22.19                           | 1.62               | 23.81      | 0.240    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB25#0                 | 22.17                           | 1.62               | 23.79      | 0.239    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.48                           | 1.62               | 24.10      | 0.257    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.2                            | 1.62               | 23.82      | 0.241    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.14                           | 1.62               | 22.76      | 0.189    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 21.21                           | 1.62               | 22.83      | 0.192    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 21.2                            | 1.62               | 22.82      | 0.191    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.21                           | 1.62               | 22.83      | 0.192    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.21                           | 1.62               | 22.83      | 0.192    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 21.41                           | 1.62               | 23.03      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 21.2                            | 1.62               | 22.82      | 0.191    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 20.19                           | 1.62               | 21.81      | 0.152    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 20.24                           | 1.62               | 21.86      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 20.2                            | 1.62               | 21.82      | 0.152    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 20.18                           | 1.62               | 21.80      | 0.151    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23.09                           | 1.62               | 24.71      | 0.296    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 23.38                           | 1.62               | 25.00      | 0.316    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 23.06                           | 1.62               | 24.68      | 0.294    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 22.28                           | 1.62               | 23.90      | 0.245    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB12#6                 | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 22.23                           | 1.62               | 23.85      | 0.243    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.26                           | 1.62               | 23.88      | 0.244    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.53                           | 1.62               | 24.15      | 0.260    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.25                           | 1.62               | 23.87      | 0.244    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.26                           | 1.62               | 22.88      | 0.194    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 21.29                           | 1.62               | 22.91      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 21.25                           | 1.62               | 22.87      | 0.194    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.29                           | 1.62               | 22.91      | 0.195    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.35                           | 1.62               | 22.97      | 0.198    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 21.53                           | 1.62               | 23.15      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 21.27                           | 1.62               | 22.89      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 20.28                           | 1.62               | 21.90      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 20.33                           | 1.62               | 21.95      | 0.157    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 20.29                           | 1.62               | 21.91      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 20.29                           | 1.62               | 21.91      | 0.155    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 23.25                           | 1.62               | 24.87      | 0.307    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 23.52                           | 1.62               | 25.14      | 0.327    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 23.2                            | 1.62               | 24.82      | 0.303    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 22.38                           | 1.62               | 24.00      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 22.41                           | 1.62               | 24.03      | 0.253    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 22.37                           | 1.62               | 23.99      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.37                           | 1.62               | 23.99      | 0.251    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.57                           | 1.62               | 24.19      | 0.262    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 22.81                           | 1.62               | 24.43      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 22.48                           | 1.62               | 24.10      | 0.257    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 21.43                           | 1.62               | 23.05      | 0.202    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 21.43                           | 1.62               | 23.05      | 0.202    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 21.36                           | 1.62               | 22.98      | 0.199    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.44                           | 1.62               | 23.06      | 0.202    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.49                           | 1.62               | 23.11      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB1#13                 | 21.74                           | 1.62               | 23.36      | 0.217    | 1.000     | Pass    |
|                   |              |           | RB1#24                 | 21.35                           | 1.62               | 22.97      | 0.198    | 1.000     | Pass    |
|                   |              |           | RB12#0                 | 20.44                           | 1.62               | 22.06      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB12#6                 | 20.46                           | 1.62               | 22.08      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB12#13                | 20.39                           | 1.62               | 22.01      | 0.159    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 20.41                           | 1.62               | 22.03      | 0.160    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 23.07                           | 1.62               | 24.69      | 0.294    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 23.27                           | 1.62               | 24.89      | 0.308    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 23.11                           | 1.62               | 24.73      | 0.297    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.18                           | 1.62               | 23.80      | 0.240    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.23                           | 1.62               | 23.85      | 0.243    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 22.29                           | 1.62               | 23.91      | 0.246    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.25                           | 1.62               | 23.87      | 0.244    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.32                           | 1.62               | 23.94      | 0.248    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.41                           | 1.62               | 24.03      | 0.253    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.36                           | 1.62               | 23.98      | 0.250    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.2                            | 1.62               | 22.82      | 0.191    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 21.26                           | 1.62               | 22.88      | 0.194    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.32                           | 1.62               | 22.94      | 0.197    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.25                           | 1.62               | 22.87      | 0.194    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.29                           | 1.62               | 22.91      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 21.43                           | 1.62               | 23.05      | 0.202    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 21.29                           | 1.62               | 22.91      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 20.18                           | 1.62               | 21.80      | 0.151    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 20.22                           | 1.62               | 21.84      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 20.26                           | 1.62               | 21.88      | 0.154    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 20.22                           | 1.62               | 21.84      | 0.153    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23.16                           | 1.62               | 24.78      | 0.301    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 23.29                           | 1.62               | 24.91      | 0.310    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 23.12                           | 1.62               | 24.74      | 0.298    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.29                           | 1.62               | 23.91      | 0.246    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.29                           | 1.62               | 23.91      | 0.246    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.29                           | 1.62               | 23.91      | 0.246    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.32                           | 1.62               | 23.94      | 0.248    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.52                           | 1.62               | 24.14      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.37                           | 1.62               | 23.99      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 21.31                           | 1.62               | 22.93      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.34                           | 1.62               | 22.96      | 0.198    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 21.5                            | 1.62               | 23.12      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 21.38                           | 1.62               | 23.00      | 0.200    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   | HCH          |           | RB25#0                 | 20.28                           | 1.62               | 21.90      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 20.31                           | 1.62               | 21.93      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 20.25                           | 1.62               | 21.87      | 0.154    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 20.29                           | 1.62               | 21.91      | 0.155    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 23.28                           | 1.62               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 23.43                           | 1.62               | 25.05      | 0.320    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 23.3                            | 1.62               | 24.92      | 0.310    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 22.44                           | 1.62               | 24.06      | 0.255    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 22.4                            | 1.62               | 24.02      | 0.252    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 22.4                            | 1.62               | 24.02      | 0.252    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.42                           | 1.62               | 24.04      | 0.254    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.51                           | 1.62               | 24.13      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 22.65                           | 1.62               | 24.27      | 0.267    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 22.51                           | 1.62               | 24.13      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 21.5                            | 1.62               | 23.12      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.5                            | 1.62               | 23.12      | 0.205    | 1.000     | Pass    |
|                   |              |           | RB1#25                 | 21.61                           | 1.62               | 23.23      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB1#49                 | 21.54                           | 1.62               | 23.16      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB25#0                 | 20.44                           | 1.62               | 22.06      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB25#13                | 20.44                           | 1.62               | 22.06      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB25#25                | 20.42                           | 1.62               | 22.04      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 20.43                           | 1.62               | 22.05      | 0.160    | 1.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                  | 23.03                           | 1.62               | 24.65      | 0.292    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 23.33                           | 1.62               | 24.95      | 0.313    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 23.08                           | 1.62               | 24.70      | 0.295    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 22.18                           | 1.62               | 23.80      | 0.240    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.22                           | 1.62               | 23.84      | 0.242    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.41                           | 1.62               | 24.03      | 0.253    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.22                           | 1.62               | 23.84      | 0.242    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 21.16                           | 1.62               | 22.78      | 0.190    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 21.24                           | 1.62               | 22.86      | 0.193    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.24                           | 1.62               | 22.86      | 0.193    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB75#0                 | 21.23                           | 1.62               | 22.85      | 0.193    | 1.000     | Pass    |
|                   |              |           | RB1#0                  | 21.24                           | 1.62               | 22.86      | 0.193    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 21.42                           | 1.62               | 23.04      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 21.26                           | 1.62               | 22.88      | 0.194    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 20.16                           | 1.62               | 21.78      | 0.151    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 20.24                           | 1.62               | 21.86      | 0.153    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 20.27                           | 1.62               | 21.89      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 20.18                           | 1.62               | 21.80      | 0.151    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 23.1                            | 1.62               | 24.72      | 0.296    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 23.33                           | 1.62               | 24.95      | 0.313    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 23.1                            | 1.62               | 24.72      | 0.296    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 22.28                           | 1.62               | 23.90      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.29                           | 1.62               | 23.91      | 0.246    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.25                           | 1.62               | 23.87      | 0.244    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.56                           | 1.62               | 24.18      | 0.262    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 22.38                           | 1.62               | 24.00      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 21.24                           | 1.62               | 22.86      | 0.193    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 21.29                           | 1.62               | 22.91      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.26                           | 1.62               | 22.88      | 0.194    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 21.27                           | 1.62               | 22.89      | 0.195    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.27                           | 1.62               | 22.89      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 21.51                           | 1.62               | 23.13      | 0.206    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 21.33                           | 1.62               | 22.95      | 0.197    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 20.26                           | 1.62               | 21.88      | 0.154    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 20.31                           | 1.62               | 21.93      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 20.25                           | 1.62               | 21.87      | 0.154    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 20.25                           | 1.62               | 21.87      | 0.154    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 23.21                           | 1.62               | 24.83      | 0.304    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 23.48                           | 1.62               | 25.10      | 0.324    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 23.25                           | 1.62               | 24.87      | 0.307    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 22.41                           | 1.62               | 24.03      | 0.253    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 22.41                           | 1.62               | 24.03      | 0.253    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 22.39                           | 1.62               | 24.01      | 0.252    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 22.39                           | 1.62               | 24.01      | 0.252    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.51                           | 1.62               | 24.13      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 22.78                           | 1.62               | 24.40      | 0.275    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#74                 | 22.48                           | 1.62               | 24.10      | 0.257    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 21.41                           | 1.62               | 23.03      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 21.41                           | 1.62               | 23.03      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 21.41                           | 1.62               | 23.03      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 21.44                           | 1.62               | 23.06      | 0.202    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.39                           | 1.62               | 23.01      | 0.200    | 1.000     | Pass    |
|                   |              |           | RB1#38                 | 21.76                           | 1.62               | 23.38      | 0.218    | 1.000     | Pass    |
|                   |              |           | RB1#74                 | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              |           | RB36#0                 | 20.42                           | 1.62               | 22.04      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB36#19                | 20.44                           | 1.62               | 22.06      | 0.161    | 1.000     | Pass    |
|                   |              |           | RB36#39                | 20.39                           | 1.62               | 22.01      | 0.159    | 1.000     | Pass    |
|                   |              |           | RB75#0                 | 20.4                            | 1.62               | 22.02      | 0.159    | 1.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                  | 22.89                           | 1.62               | 24.51      | 0.282    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 23.25                           | 1.62               | 24.87      | 0.307    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.97                           | 1.62               | 24.59      | 0.288    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.17                           | 1.62               | 23.79      | 0.239    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 22.37                           | 1.62               | 23.99      | 0.251    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 22.25                           | 1.62               | 23.87      | 0.244    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.11                           | 1.62               | 23.73      | 0.236    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.43                           | 1.62               | 24.05      | 0.254    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.24                           | 1.62               | 23.86      | 0.243    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.18                           | 1.62               | 22.80      | 0.191    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 21.27                           | 1.62               | 22.89      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 21.34                           | 1.62               | 22.96      | 0.198    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 21.25                           | 1.62               | 22.87      | 0.194    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.14                           | 1.62               | 22.76      | 0.189    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 21.41                           | 1.62               | 23.03      | 0.201    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 21.1                            | 1.62               | 22.72      | 0.187    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 20.18                           | 1.62               | 21.80      | 0.151    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 20.29                           | 1.62               | 21.91      | 0.155    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 20.33                           | 1.62               | 21.95      | 0.157    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 20.24                           | 1.62               | 21.86      | 0.153    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.89                           | 1.62               | 24.51      | 0.282    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 23.31                           | 1.62               | 24.93      | 0.311    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.93                           | 1.62               | 24.55      | 0.285    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.3                            | 1.62               | 23.92      | 0.247    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 22.32                           | 1.62               | 23.94      | 0.248    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB50#50                | 22.28                           | 1.62               | 23.90      | 0.245    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 22.27                           | 1.62               | 23.89      | 0.245    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.08                           | 1.62               | 23.70      | 0.234    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.49                           | 1.62               | 24.11      | 0.258    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.23                           | 1.62               | 23.85      | 0.243    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 21.32                           | 1.62               | 22.94      | 0.197    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 21.26                           | 1.62               | 22.88      | 0.194    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.05                           | 1.62               | 22.67      | 0.185    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 21.46                           | 1.62               | 23.08      | 0.203    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 21.26                           | 1.62               | 22.88      | 0.194    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 20.32                           | 1.62               | 21.94      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 20.32                           | 1.62               | 21.94      | 0.156    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 20.26                           | 1.62               | 21.88      | 0.154    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 20.26                           | 1.62               | 21.88      | 0.154    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 23.06                           | 1.62               | 24.68      | 0.294    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 23.41                           | 1.62               | 25.03      | 0.318    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 23.05                           | 1.62               | 24.67      | 0.293    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 22.46                           | 1.62               | 24.08      | 0.256    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 22.39                           | 1.62               | 24.01      | 0.252    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 22.36                           | 1.62               | 23.98      | 0.250    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 22.39                           | 1.62               | 24.01      | 0.252    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.23                           | 1.62               | 23.85      | 0.243    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 22.7                            | 1.62               | 24.32      | 0.270    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 22.42                           | 1.62               | 24.04      | 0.254    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 21.47                           | 1.62               | 23.09      | 0.204    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 21.44                           | 1.62               | 23.06      | 0.202    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 21.43                           | 1.62               | 23.05      | 0.202    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 21.42                           | 1.62               | 23.04      | 0.201    | 1.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 21.27                           | 1.62               | 22.89      | 0.195    | 1.000     | Pass    |
|                   |              |           | RB1#50                 | 21.58                           | 1.62               | 23.20      | 0.209    | 1.000     | Pass    |
|                   |              |           | RB1#99                 | 21.3                            | 1.62               | 22.92      | 0.196    | 1.000     | Pass    |
|                   |              |           | RB50#0                 | 20.49                           | 1.62               | 22.11      | 0.163    | 1.000     | Pass    |
|                   |              |           | RB50#25                | 20.43                           | 1.62               | 22.05      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB50#50                | 20.43                           | 1.62               | 22.05      | 0.160    | 1.000     | Pass    |
|                   |              |           | RB100#0                | 20.42                           | 1.62               | 22.04      | 0.160    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz           | LCH          | QPSK      | RB1#0                 | 23.08                           | 0.48               | -1.67              | 21.41     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.24                           | 0.48               | -1.67              | 21.57     | 0.144   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.1                            | 0.48               | -1.67              | 21.43     | 0.139   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.18                           | 0.48               | -1.67              | 21.51     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.21                           | 0.48               | -1.67              | 21.54     | 0.143   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.2                            | 0.48               | -1.67              | 21.53     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.2                            | 0.48               | -1.67              | 20.53     | 0.113   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.35                           | 0.48               | -1.67              | 20.68     | 0.117   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 22.42                           | 0.48               | -1.67              | 20.75     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 22.39                           | 0.48               | -1.67              | 20.72     | 0.118   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 22.17                           | 0.48               | -1.67              | 20.50     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 22.19                           | 0.48               | -1.67              | 20.52     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 22.13                           | 0.48               | -1.67              | 20.46     | 0.111   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 21.4                            | 0.48               | -1.67              | 19.73     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 21.29                           | 0.48               | -1.67              | 19.62     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 21.25                           | 0.48               | -1.67              | 19.58     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 20.21                           | 0.48               | -1.67              | 18.54     | 0.071   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.11                           | 0.48               | -1.67              | 21.44     | 0.139   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.23                           | 0.48               | -1.67              | 21.56     | 0.143   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.13                           | 0.48               | -1.67              | 21.46     | 0.140   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.18                           | 0.48               | -1.67              | 21.51     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.25                           | 0.48               | -1.67              | 21.58     | 0.144   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.21                           | 0.48               | -1.67              | 21.54     | 0.143   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.23                           | 0.48               | -1.67              | 20.56     | 0.114   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.41                           | 0.48               | -1.67              | 20.74     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 22.55                           | 0.48               | -1.67              | 20.88     | 0.122   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 22.41                           | 0.48               | -1.67              | 20.74     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 22.13                           | 0.48               | -1.67              | 20.46     | 0.111   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 22.26                           | 0.48               | -1.67              | 20.59     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 22.2                            | 0.48               | -1.67              | 20.53     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 21.37                           | 0.48               | -1.67              | 19.70     | 0.093   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#5                 | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 21.33                           | 0.48               | -1.67              | 19.66     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 21.32                           | 0.48               | -1.67              | 19.65     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 21.32                           | 0.48               | -1.67              | 19.65     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 20.21                           | 0.48               | -1.67              | 18.54     | 0.071   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.05                           | 0.48               | -1.67              | 21.38     | 0.137   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.22                           | 0.48               | -1.67              | 21.55     | 0.143   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.06                           | 0.48               | -1.67              | 21.39     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.17                           | 0.48               | -1.67              | 21.50     | 0.141   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.23                           | 0.48               | -1.67              | 21.56     | 0.143   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.18                           | 0.48               | -1.67              | 21.51     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.23                           | 0.48               | -1.67              | 20.56     | 0.114   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.24                           | 0.48               | -1.67              | 20.57     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 22.45                           | 0.48               | -1.67              | 20.78     | 0.120   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 22.14                           | 0.48               | -1.67              | 20.47     | 0.111   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 22.17                           | 0.48               | -1.67              | 20.50     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 22.03                           | 0.48               | -1.67              | 20.36     | 0.109   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.24                           | 0.48               | -1.67              | 19.57     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 21.38                           | 0.48               | -1.67              | 19.71     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 21.17                           | 0.48               | -1.67              | 19.50     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 21.25                           | 0.48               | -1.67              | 19.58     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 21.31                           | 0.48               | -1.67              | 19.64     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 21.19                           | 0.48               | -1.67              | 19.52     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 20.24                           | 0.48               | -1.67              | 18.57     | 0.072   | 7.000     | Pass    |
| 3 MHz             | LCH          | QPSK      | RB1#0                 | 23.18                           | 0.48               | -1.67              | 21.51     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.33                           | 0.48               | -1.67              | 21.66     | 0.147   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.19                           | 0.48               | -1.67              | 21.52     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.17                           | 0.48               | -1.67              | 20.50     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.17                           | 0.48               | -1.67              | 20.50     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.18                           | 0.48               | -1.67              | 20.51     | 0.112   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.45                           | 0.48               | -1.67              | 20.78     | 0.120   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 22.56                           | 0.48               | -1.67              | 20.89     | 0.123   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 22.35                           | 0.48               | -1.67              | 20.68     | 0.117   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 21.21                           | 0.48               | -1.67              | 19.54     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 21.25                           | 0.48               | -1.67              | 19.58     | 0.091   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB8#7                 | 21.21                           | 0.48               | -1.67              | 19.54     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 21.18                           | 0.48               | -1.67              | 19.51     | 0.089   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 21.46                           | 0.48               | -1.67              | 19.79     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 20.27                           | 0.48               | -1.67              | 18.60     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 20.26                           | 0.48               | -1.67              | 18.59     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 20.25                           | 0.48               | -1.67              | 18.58     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 20.19                           | 0.48               | -1.67              | 18.52     | 0.071   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.16                           | 0.48               | -1.67              | 21.49     | 0.141   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.29                           | 0.48               | -1.67              | 21.62     | 0.145   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.16                           | 0.48               | -1.67              | 21.49     | 0.141   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.22                           | 0.48               | -1.67              | 20.55     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.19                           | 0.48               | -1.67              | 20.52     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.44                           | 0.48               | -1.67              | 20.77     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 22.67                           | 0.48               | -1.67              | 21.00     | 0.126   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 22.38                           | 0.48               | -1.67              | 20.71     | 0.118   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 21.28                           | 0.48               | -1.67              | 19.61     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 21.26                           | 0.48               | -1.67              | 19.59     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 21.23                           | 0.48               | -1.67              | 19.56     | 0.090   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.35                           | 0.48               | -1.67              | 19.68     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 21.6                            | 0.48               | -1.67              | 19.93     | 0.098   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 21.41                           | 0.48               | -1.67              | 19.74     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 20.27                           | 0.48               | -1.67              | 18.60     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 20.29                           | 0.48               | -1.67              | 18.62     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 20.28                           | 0.48               | -1.67              | 18.61     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 20.26                           | 0.48               | -1.67              | 18.59     | 0.072   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.13                           | 0.48               | -1.67              | 21.46     | 0.140   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.27                           | 0.48               | -1.67              | 21.60     | 0.145   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.11                           | 0.48               | -1.67              | 21.44     | 0.139   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.16                           | 0.48               | -1.67              | 20.49     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.26                           | 0.48               | -1.67              | 20.59     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.16                           | 0.48               | -1.67              | 20.49     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.23                           | 0.48               | -1.67              | 20.56     | 0.114   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.34                           | 0.48               | -1.67              | 20.67     | 0.117   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB1#7                 | 22.49                           | 0.48               | -1.67              | 20.82     | 0.121   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 22.2                            | 0.48               | -1.67              | 20.53     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 21.24                           | 0.48               | -1.67              | 19.57     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 21.24                           | 0.48               | -1.67              | 19.57     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 21.18                           | 0.48               | -1.67              | 19.51     | 0.089   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.31                           | 0.48               | -1.67              | 19.64     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 21.43                           | 0.48               | -1.67              | 19.76     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 21.28                           | 0.48               | -1.67              | 19.61     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 20.24                           | 0.48               | -1.67              | 18.57     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 20.3                            | 0.48               | -1.67              | 18.63     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 20.24                           | 0.48               | -1.67              | 18.57     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 20.2                            | 0.48               | -1.67              | 18.53     | 0.071   | 7.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 23.08                           | 0.48               | -1.67              | 21.41     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.3                            | 0.48               | -1.67              | 21.63     | 0.146   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.06                           | 0.48               | -1.67              | 21.39     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.24                           | 0.48               | -1.67              | 20.57     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.22                           | 0.48               | -1.67              | 20.55     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.2                            | 0.48               | -1.67              | 20.53     | 0.113   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.52                           | 0.48               | -1.67              | 20.85     | 0.122   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.14                           | 0.48               | -1.67              | 20.47     | 0.111   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.15                           | 0.48               | -1.67              | 19.48     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.18                           | 0.48               | -1.67              | 19.51     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.18                           | 0.48               | -1.67              | 19.51     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.19                           | 0.48               | -1.67              | 19.52     | 0.090   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.11                           | 0.48               | -1.67              | 19.44     | 0.088   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.46                           | 0.48               | -1.67              | 19.79     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.21                           | 0.48               | -1.67              | 18.54     | 0.071   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.27                           | 0.48               | -1.67              | 18.60     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.25                           | 0.48               | -1.67              | 18.58     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.22                           | 0.48               | -1.67              | 18.55     | 0.072   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.1                            | 0.48               | -1.67              | 21.43     | 0.139   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.37                           | 0.48               | -1.67              | 21.70     | 0.148   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.06                           | 0.48               | -1.67              | 21.39     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.22                           | 0.48               | -1.67              | 20.55     | 0.114   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB12#6                | 22.28                           | 0.48               | -1.67              | 20.61     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.19                           | 0.48               | -1.67              | 20.52     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.23                           | 0.48               | -1.67              | 20.56     | 0.114   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.23                           | 0.48               | -1.67              | 20.56     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.6                            | 0.48               | -1.67              | 20.93     | 0.124   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.25                           | 0.48               | -1.67              | 20.58     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.19                           | 0.48               | -1.67              | 19.52     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.26                           | 0.48               | -1.67              | 19.59     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.19                           | 0.48               | -1.67              | 19.52     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.24                           | 0.48               | -1.67              | 19.57     | 0.091   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.25                           | 0.48               | -1.67              | 19.58     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.5                            | 0.48               | -1.67              | 19.83     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.14                           | 0.48               | -1.67              | 19.47     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.27                           | 0.48               | -1.67              | 18.60     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.32                           | 0.48               | -1.67              | 18.65     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.24                           | 0.48               | -1.67              | 18.57     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.23                           | 0.48               | -1.67              | 18.56     | 0.072   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.06                           | 0.48               | -1.67              | 21.39     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.28                           | 0.48               | -1.67              | 21.61     | 0.145   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.98                           | 0.48               | -1.67              | 21.31     | 0.135   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.2                            | 0.48               | -1.67              | 20.53     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.22                           | 0.48               | -1.67              | 20.55     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.15                           | 0.48               | -1.67              | 20.48     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.47                           | 0.48               | -1.67              | 20.80     | 0.120   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.24                           | 0.48               | -1.67              | 20.57     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.16                           | 0.48               | -1.67              | 19.49     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.21                           | 0.48               | -1.67              | 19.54     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.11                           | 0.48               | -1.67              | 19.44     | 0.088   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.17                           | 0.48               | -1.67              | 19.50     | 0.089   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.18                           | 0.48               | -1.67              | 19.51     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 21.49                           | 0.48               | -1.67              | 19.82     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 21.17                           | 0.48               | -1.67              | 19.50     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 20.25                           | 0.48               | -1.67              | 18.58     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 20.26                           | 0.48               | -1.67              | 18.59     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 20.19                           | 0.48               | -1.67              | 18.52     | 0.071   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.19                           | 0.48               | -1.67              | 18.52     | 0.071   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 23.11                           | 0.48               | -1.67              | 21.44     | 0.139   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.29                           | 0.48               | -1.67              | 21.62     | 0.145   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.19                           | 0.48               | -1.67              | 21.52     | 0.142   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.27                           | 0.48               | -1.67              | 20.60     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.32                           | 0.48               | -1.67              | 20.65     | 0.116   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.31                           | 0.48               | -1.67              | 20.64     | 0.116   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.33                           | 0.48               | -1.67              | 20.66     | 0.116   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.4                            | 0.48               | -1.67              | 20.73     | 0.118   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.45                           | 0.48               | -1.67              | 20.78     | 0.120   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.44                           | 0.48               | -1.67              | 20.77     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.23                           | 0.48               | -1.67              | 19.56     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.3                            | 0.48               | -1.67              | 19.63     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 21.48                           | 0.48               | -1.67              | 19.81     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 21.33                           | 0.48               | -1.67              | 19.66     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.3                            | 0.48               | -1.67              | 18.63     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 20.33                           | 0.48               | -1.67              | 18.66     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 20.31                           | 0.48               | -1.67              | 18.64     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.34                           | 0.48               | -1.67              | 18.67     | 0.074   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.16                           | 0.48               | -1.67              | 21.49     | 0.141   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.27                           | 0.48               | -1.67              | 21.60     | 0.145   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.07                           | 0.48               | -1.67              | 21.40     | 0.138   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.28                           | 0.48               | -1.67              | 20.61     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.28                           | 0.48               | -1.67              | 20.61     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.26                           | 0.48               | -1.67              | 20.59     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.29                           | 0.48               | -1.67              | 20.62     | 0.115   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.29                           | 0.48               | -1.67              | 20.62     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.47                           | 0.48               | -1.67              | 20.80     | 0.120   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.41                           | 0.48               | -1.67              | 20.74     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.26                           | 0.48               | -1.67              | 19.59     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.25                           | 0.48               | -1.67              | 19.58     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.26                           | 0.48               | -1.67              | 19.59     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.26                           | 0.48               | -1.67              | 19.59     | 0.091   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.27                           | 0.48               | -1.67              | 19.60     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 21.46                           | 0.48               | -1.67              | 19.79     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 21.2                            | 0.48               | -1.67              | 19.53     | 0.090   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 5</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   |              |           | RB25#0                | 20.31                           | 0.48               | -1.67              | 18.64     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 20.29                           | 0.48               | -1.67              | 18.62     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 20.28                           | 0.48               | -1.67              | 18.61     | 0.073   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.31                           | 0.48               | -1.67              | 18.64     | 0.073   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.12                           | 0.48               | -1.67              | 21.45     | 0.140   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.15                           | 0.48               | -1.67              | 21.48     | 0.141   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.99                           | 0.48               | -1.67              | 21.32     | 0.136   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.22                           | 0.48               | -1.67              | 20.55     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.16                           | 0.48               | -1.67              | 20.49     | 0.112   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.1                            | 0.48               | -1.67              | 20.43     | 0.110   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.15                           | 0.48               | -1.67              | 20.48     | 0.112   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.35                           | 0.48               | -1.67              | 20.68     | 0.117   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.41                           | 0.48               | -1.67              | 20.74     | 0.119   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 22.21                           | 0.48               | -1.67              | 20.54     | 0.113   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.16                           | 0.48               | -1.67              | 19.49     | 0.089   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.13                           | 0.48               | -1.67              | 19.46     | 0.088   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.07                           | 0.48               | -1.67              | 19.40     | 0.087   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.13                           | 0.48               | -1.67              | 19.46     | 0.088   | 7.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                 | 21.23                           | 0.48               | -1.67              | 19.56     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 21.35                           | 0.48               | -1.67              | 19.68     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 21.11                           | 0.48               | -1.67              | 19.44     | 0.088   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 20.22                           | 0.48               | -1.67              | 18.55     | 0.072   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 20.2                            | 0.48               | -1.67              | 18.53     | 0.071   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 20.09                           | 0.48               | -1.67              | 18.42     | 0.070   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 20.15                           | 0.48               | -1.67              | 18.48     | 0.070   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | QPSK      | RB1#0                  | 22.46                           | 2.78               | 25.24      | 0.334    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.7                            | 2.78               | 25.48      | 0.353    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.53                           | 2.78               | 25.31      | 0.340    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.66                           | 2.78               | 24.44      | 0.278    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.72                           | 2.78               | 24.50      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.68                           | 2.78               | 24.46      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.68                           | 2.78               | 24.46      | 0.279    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.67                           | 2.78               | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 21.97                           | 2.78               | 24.75      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.71                           | 2.78               | 24.49      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 20.61                           | 2.78               | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 20.63                           | 2.78               | 23.41      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.63                           | 2.78               | 23.41      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.64                           | 2.78               | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.62                           | 2.78               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 20.97                           | 2.78               | 23.75      | 0.237    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 20.65                           | 2.78               | 23.43      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 19.62                           | 2.78               | 22.40      | 0.174    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 19.74                           | 2.78               | 22.52      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 19.69                           | 2.78               | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.69                           | 2.78               | 22.47      | 0.177    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.56                           | 2.78               | 25.34      | 0.342    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.87                           | 2.78               | 25.65      | 0.367    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.59                           | 2.78               | 25.37      | 0.344    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.79                           | 2.78               | 24.57      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.73                           | 2.78               | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.76                           | 2.78               | 24.54      | 0.284    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.71                           | 2.78               | 24.49      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.11                           | 2.78               | 24.89      | 0.308    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.83                           | 2.78               | 24.61      | 0.289    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 20.69                           | 2.78               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 20.73                           | 2.78               | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.69                           | 2.78               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.76                           | 2.78               | 23.54      | 0.226    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.69                           | 2.78               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 20.98                           | 2.78               | 23.76      | 0.238    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   | HCH          |           | RB1#24                 | 20.74                           | 2.78               | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 19.77                           | 2.78               | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 19.81                           | 2.78               | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 19.75                           | 2.78               | 22.53      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.76                           | 2.78               | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                  | 22.23                           | 2.78               | 25.01      | 0.317    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 22.42                           | 2.78               | 25.20      | 0.331    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 22.12                           | 2.78               | 24.90      | 0.309    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 21.38                           | 2.78               | 24.16      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 21.37                           | 2.78               | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 21.3                            | 2.78               | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.34                           | 2.78               | 24.12      | 0.258    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.49                           | 2.78               | 24.27      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 21.59                           | 2.78               | 24.37      | 0.274    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 21.36                           | 2.78               | 24.14      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 20.32                           | 2.78               | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 20.34                           | 2.78               | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 20.25                           | 2.78               | 23.03      | 0.201    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.32                           | 2.78               | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.43                           | 2.78               | 23.21      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB1#13                 | 20.54                           | 2.78               | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB1#24                 | 20.3                            | 2.78               | 23.08      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB12#0                 | 19.41                           | 2.78               | 22.19      | 0.166    | 2.000     | Pass    |
|                   |              |           | RB12#6                 | 19.4                            | 2.78               | 22.18      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB12#13                | 19.33                           | 2.78               | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.37                           | 2.78               | 22.15      | 0.164    | 2.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                  | 22.53                           | 2.78               | 25.31      | 0.340    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.76                           | 2.78               | 25.54      | 0.358    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.63                           | 2.78               | 25.41      | 0.348    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.66                           | 2.78               | 24.44      | 0.278    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.7                            | 2.78               | 24.48      | 0.281    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.8                            | 2.78               | 24.58      | 0.287    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 21.95                           | 2.78               | 24.73      | 0.297    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.87                           | 2.78               | 24.65      | 0.292    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.64                           | 2.78               | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.75                           | 2.78               | 23.53      | 0.225    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              | 64-QAM    | RB25#25                | 20.7                            | 2.78               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.66                           | 2.78               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB1#0                  | 20.7                            | 2.78               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 20.88                           | 2.78               | 23.66      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 20.82                           | 2.78               | 23.60      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.68                           | 2.78               | 22.46      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 19.77                           | 2.78               | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 19.73                           | 2.78               | 22.51      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.67                           | 2.78               | 22.45      | 0.176    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.66                           | 2.78               | 25.44      | 0.350    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.79                           | 2.78               | 25.57      | 0.361    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.67                           | 2.78               | 25.45      | 0.351    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.81                           | 2.78               | 24.59      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.73                           | 2.78               | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.85                           | 2.78               | 24.63      | 0.290    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.01                           | 2.78               | 24.79      | 0.301    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.75                           | 2.78               | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.77                           | 2.78               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 20.7                            | 2.78               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.73                           | 2.78               | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.81                           | 2.78               | 23.59      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 20.93                           | 2.78               | 23.71      | 0.235    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 20.77                           | 2.78               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.79                           | 2.78               | 22.57      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 19.8                            | 2.78               | 22.58      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 19.73                           | 2.78               | 22.51      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.75                           | 2.78               | 22.53      | 0.179    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.46                           | 2.78               | 25.24      | 0.334    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 22.47                           | 2.78               | 25.25      | 0.335    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 22.23                           | 2.78               | 25.01      | 0.317    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 21.44                           | 2.78               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 21.43                           | 2.78               | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 21.37                           | 2.78               | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.4                            | 2.78               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.72                           | 2.78               | 24.50      | 0.282    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB1#25                 | 21.59                           | 2.78               | 24.37      | 0.274    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 21.5                            | 2.78               | 24.28      | 0.268    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 20.43                           | 2.78               | 23.21      | 0.209    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 20.45                           | 2.78               | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 20.35                           | 2.78               | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.38                           | 2.78               | 23.16      | 0.207    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.65                           | 2.78               | 23.43      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB1#25                 | 20.62                           | 2.78               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#49                 | 20.36                           | 2.78               | 23.14      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB25#0                 | 19.48                           | 2.78               | 22.26      | 0.168    | 2.000     | Pass    |
|                   |              |           | RB25#13                | 19.46                           | 2.78               | 22.24      | 0.167    | 2.000     | Pass    |
|                   |              |           | RB25#25                | 19.38                           | 2.78               | 22.16      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.43                           | 2.78               | 22.21      | 0.166    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                  | 22.51                           | 2.78               | 25.29      | 0.338    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.8                            | 2.78               | 25.58      | 0.361    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.45                           | 2.78               | 25.23      | 0.333    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.72                           | 2.78               | 24.50      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.68                           | 2.78               | 24.46      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.73                           | 2.78               | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.63                           | 2.78               | 24.41      | 0.276    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.09                           | 2.78               | 24.87      | 0.307    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.73                           | 2.78               | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.64                           | 2.78               | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 20.7                            | 2.78               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 20.61                           | 2.78               | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 20.68                           | 2.78               | 23.46      | 0.222    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.71                           | 2.78               | 23.49      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 20.91                           | 2.78               | 23.69      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 20.62                           | 2.78               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 19.72                           | 2.78               | 22.50      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 19.78                           | 2.78               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 19.67                           | 2.78               | 22.45      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 19.71                           | 2.78               | 22.49      | 0.177    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.51                           | 2.78               | 25.29      | 0.338    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.83                           | 2.78               | 25.61      | 0.364    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.52                           | 2.78               | 25.30      | 0.339    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB36#19                | 21.81                           | 2.78               | 24.59      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.78                           | 2.78               | 24.56      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.03                           | 2.78               | 24.81      | 0.303    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.69                           | 2.78               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 20.74                           | 2.78               | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 20.69                           | 2.78               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 20.72                           | 2.78               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.62                           | 2.78               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 21.07                           | 2.78               | 23.85      | 0.243    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 20.69                           | 2.78               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 19.76                           | 2.78               | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 19.81                           | 2.78               | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 19.72                           | 2.78               | 22.50      | 0.178    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 19.75                           | 2.78               | 22.53      | 0.179    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.5                            | 2.78               | 25.28      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 22.58                           | 2.78               | 25.36      | 0.344    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 22.17                           | 2.78               | 24.95      | 0.313    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 21.53                           | 2.78               | 24.31      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 21.53                           | 2.78               | 24.31      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 21.38                           | 2.78               | 24.16      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 21.48                           | 2.78               | 24.26      | 0.267    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.66                           | 2.78               | 24.44      | 0.278    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 21.79                           | 2.78               | 24.57      | 0.286    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 21.3                            | 2.78               | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 20.48                           | 2.78               | 23.26      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 20.44                           | 2.78               | 23.22      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 20.32                           | 2.78               | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 20.46                           | 2.78               | 23.24      | 0.211    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.67                           | 2.78               | 23.45      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB1#38                 | 20.76                           | 2.78               | 23.54      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB1#74                 | 20.35                           | 2.78               | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB36#0                 | 19.57                           | 2.78               | 22.35      | 0.172    | 2.000     | Pass    |
|                   |              |           | RB36#19                | 19.52                           | 2.78               | 22.30      | 0.170    | 2.000     | Pass    |
|                   |              |           | RB36#39                | 19.39                           | 2.78               | 22.17      | 0.165    | 2.000     | Pass    |
|                   |              |           | RB75#0                 | 19.49                           | 2.78               | 22.27      | 0.169    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
| 20 MHz            | LCH          | QPSK      | RB1#0                  | 22.39                           | 2.78               | 25.17      | 0.329    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.77                           | 2.78               | 25.55      | 0.359    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.22                           | 2.78               | 25.00      | 0.316    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.76                           | 2.78               | 24.54      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.67                           | 2.78               | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.72                           | 2.78               | 24.50      | 0.282    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.67                           | 2.78               | 24.45      | 0.279    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.01                           | 2.78               | 24.79      | 0.301    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.52                           | 2.78               | 24.30      | 0.269    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.75                           | 2.78               | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 20.75                           | 2.78               | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.64                           | 2.78               | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 20.66                           | 2.78               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.56                           | 2.78               | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 20.92                           | 2.78               | 23.70      | 0.234    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 20.32                           | 2.78               | 23.10      | 0.204    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.76                           | 2.78               | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 19.78                           | 2.78               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 19.68                           | 2.78               | 22.46      | 0.176    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 19.73                           | 2.78               | 22.51      | 0.178    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.37                           | 2.78               | 25.15      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.78                           | 2.78               | 25.56      | 0.360    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 22.3                            | 2.78               | 25.08      | 0.322    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.8                            | 2.78               | 24.58      | 0.287    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.84                           | 2.78               | 24.62      | 0.290    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.74                           | 2.78               | 24.52      | 0.283    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.77                           | 2.78               | 24.55      | 0.285    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.59                           | 2.78               | 24.37      | 0.274    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.07                           | 2.78               | 24.85      | 0.305    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.44                           | 2.78               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.77                           | 2.78               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 20.8                            | 2.78               | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.71                           | 2.78               | 23.49      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 20.7                            | 2.78               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.5                            | 2.78               | 23.28      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 20.94                           | 2.78               | 23.72      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 20.47                           | 2.78               | 23.25      | 0.211    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                        |                                 |                    |            |          |           |         |
|                   |              |           | RB50#0                 | 19.78                           | 2.78               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 19.81                           | 2.78               | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 19.74                           | 2.78               | 22.52      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 19.76                           | 2.78               | 22.54      | 0.179    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.35                           | 2.78               | 25.13      | 0.326    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 22.59                           | 2.78               | 25.37      | 0.344    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.97                           | 2.78               | 24.75      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 21.66                           | 2.78               | 24.44      | 0.278    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 21.57                           | 2.78               | 24.35      | 0.272    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 21.48                           | 2.78               | 24.26      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 21.56                           | 2.78               | 24.34      | 0.272    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 21.65                           | 2.78               | 24.43      | 0.277    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 21.75                           | 2.78               | 24.53      | 0.284    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 21.15                           | 2.78               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 20.62                           | 2.78               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 20.56                           | 2.78               | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 20.46                           | 2.78               | 23.24      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 20.54                           | 2.78               | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              | 64-QAM    | RB1#0                  | 20.51                           | 2.78               | 23.29      | 0.213    | 2.000     | Pass    |
|                   |              |           | RB1#50                 | 20.76                           | 2.78               | 23.54      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB1#99                 | 20.19                           | 2.78               | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB50#0                 | 19.69                           | 2.78               | 22.47      | 0.177    | 2.000     | Pass    |
|                   |              |           | RB50#25                | 19.59                           | 2.78               | 22.37      | 0.173    | 2.000     | Pass    |
|                   |              |           | RB50#50                | 19.49                           | 2.78               | 22.27      | 0.169    | 2.000     | Pass    |
|                   |              |           | RB100#0                | 19.54                           | 2.78               | 22.32      | 0.171    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz            | LCH          | QPSK      | RB1#0                 | 22.93                           | 2.05               | -0.1               | 22.83     | 0.192   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 23.02                           | 2.05               | -0.1               | 22.92     | 0.196   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 22.86                           | 2.05               | -0.1               | 22.76     | 0.189   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 22.99                           | 2.05               | -0.1               | 22.89     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 23.03                           | 2.05               | -0.1               | 22.93     | 0.196   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 22.96                           | 2.05               | -0.1               | 22.86     | 0.193   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 22.02                           | 2.05               | -0.1               | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.2                            | 2.05               | -0.1               | 22.10     | 0.162   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 22.29                           | 2.05               | -0.1               | 22.19     | 0.166   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 22.15                           | 2.05               | -0.1               | 22.05     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 21.93                           | 2.05               | -0.1               | 21.83     | 0.152   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 22.06                           | 2.05               | -0.1               | 21.96     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 22                              | 2.05               | -0.1               | 21.90     | 0.155   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 21.08                           | 2.05               | -0.1               | 20.98     | 0.125   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.09                           | 2.05               | -0.1               | 20.99     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 21.21                           | 2.05               | -0.1               | 21.11     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 21.01                           | 2.05               | -0.1               | 20.91     | 0.123   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 21.11                           | 2.05               | -0.1               | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 21.14                           | 2.05               | -0.1               | 21.04     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 21.1                            | 2.05               | -0.1               | 21.00     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 19.98                           | 2.05               | -0.1               | 19.88     | 0.097   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.95                           | 2.05               | -0.1               | 22.85     | 0.193   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 23.03                           | 2.05               | -0.1               | 22.93     | 0.196   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 22.92                           | 2.05               | -0.1               | 22.82     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 23.02                           | 2.05               | -0.1               | 22.92     | 0.196   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 23.06                           | 2.05               | -0.1               | 22.96     | 0.198   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 23.06                           | 2.05               | -0.1               | 22.96     | 0.198   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 22.1                            | 2.05               | -0.1               | 22.00     | 0.158   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.24                           | 2.05               | -0.1               | 22.14     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 22.38                           | 2.05               | -0.1               | 22.28     | 0.169   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 22.25                           | 2.05               | -0.1               | 22.15     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 22                              | 2.05               | -0.1               | 21.90     | 0.155   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 22.04                           | 2.05               | -0.1               | 21.94     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 22.02                           | 2.05               | -0.1               | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 21.15                           | 2.05               | -0.1               | 21.05     | 0.127   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.17                           | 2.05               | -0.1               | 21.07     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 21.26                           | 2.05               | -0.1               | 21.16     | 0.131   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                    |              |           | RB1#5                  | 21.12                           | 2.05                | -0.1                | 21.02     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB3#0                  | 21.16                           | 2.05                | -0.1                | 21.06     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB3#2                  | 21.22                           | 2.05                | -0.1                | 21.12     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB3#3                  | 21.16                           | 2.05                | -0.1                | 21.06     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB6#0                  | 20.07                           | 2.05                | -0.1                | 19.97     | 0.099   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 22.88                           | 2.05                | -0.1                | 22.78     | 0.190   | 3.000     | Pass    |
|                    |              |           | RB1#3                  | 23.05                           | 2.05                | -0.1                | 22.95     | 0.197   | 3.000     | Pass    |
|                    |              |           | RB1#5                  | 22.89                           | 2.05                | -0.1                | 22.79     | 0.190   | 3.000     | Pass    |
|                    |              |           | RB3#0                  | 22.99                           | 2.05                | -0.1                | 22.89     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB3#2                  | 23.06                           | 2.05                | -0.1                | 22.96     | 0.198   | 3.000     | Pass    |
|                    |              |           | RB3#3                  | 22.99                           | 2.05                | -0.1                | 22.89     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB6#0                  | 22.06                           | 2.05                | -0.1                | 21.96     | 0.157   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.11                           | 2.05                | -0.1                | 22.01     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB1#3                  | 22.22                           | 2.05                | -0.1                | 22.12     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#5                  | 22.1                            | 2.05                | -0.1                | 22.00     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB3#0                  | 22.04                           | 2.05                | -0.1                | 21.94     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB3#2                  | 22.07                           | 2.05                | -0.1                | 21.97     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB3#3                  | 21.95                           | 2.05                | -0.1                | 21.85     | 0.153   | 3.000     | Pass    |
|                    |              |           | RB6#0                  | 21.17                           | 2.05                | -0.1                | 21.07     | 0.128   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 21.15                           | 2.05                | -0.1                | 21.05     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB1#3                  | 21.2                            | 2.05                | -0.1                | 21.10     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB1#5                  | 21.06                           | 2.05                | -0.1                | 20.96     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB3#0                  | 21.15                           | 2.05                | -0.1                | 21.05     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB3#2                  | 21.2                            | 2.05                | -0.1                | 21.10     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB3#3                  | 21.11                           | 2.05                | -0.1                | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB6#0                  | 20.03                           | 2.05                | -0.1                | 19.93     | 0.098   | 3.000     | Pass    |
| 3 MHz              | LCH          | QPSK      | RB1#0                  | 22.98                           | 2.05                | -0.1                | 22.88     | 0.194   | 3.000     | Pass    |
|                    |              |           | RB1#7                  | 23.12                           | 2.05                | -0.1                | 23.02     | 0.200   | 3.000     | Pass    |
|                    |              |           | RB1#14                 | 22.97                           | 2.05                | -0.1                | 22.87     | 0.194   | 3.000     | Pass    |
|                    |              |           | RB8#0                  | 22.02                           | 2.05                | -0.1                | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB8#4                  | 22.05                           | 2.05                | -0.1                | 21.95     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB8#7                  | 22.02                           | 2.05                | -0.1                | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB15#0                 | 22.02                           | 2.05                | -0.1                | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.28                           | 2.05                | -0.1                | 22.18     | 0.165   | 3.000     | Pass    |
|                    |              |           | RB1#7                  | 22.36                           | 2.05                | -0.1                | 22.26     | 0.168   | 3.000     | Pass    |
|                    |              |           | RB1#14                 | 22.23                           | 2.05                | -0.1                | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB8#0                  | 21.03                           | 2.05                | -0.1                | 20.93     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB8#4                  | 21.09                           | 2.05                | -0.1                | 20.99     | 0.126   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB8#7                 | 21.04                           | 2.05               | -0.1               | 20.94     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 21.04                           | 2.05               | -0.1               | 20.94     | 0.124   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.18                           | 2.05               | -0.1               | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 21.31                           | 2.05               | -0.1               | 21.21     | 0.132   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 21.2                            | 2.05               | -0.1               | 21.10     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 20.01                           | 2.05               | -0.1               | 19.91     | 0.098   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 20.06                           | 2.05               | -0.1               | 19.96     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 20.02                           | 2.05               | -0.1               | 19.92     | 0.098   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 19.98                           | 2.05               | -0.1               | 19.88     | 0.097   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.01                           | 2.05               | -0.1               | 22.91     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 23.16                           | 2.05               | -0.1               | 23.06     | 0.202   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 22.92                           | 2.05               | -0.1               | 22.82     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 22.08                           | 2.05               | -0.1               | 21.98     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 22.1                            | 2.05               | -0.1               | 22.00     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 22.09                           | 2.05               | -0.1               | 21.99     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 22.07                           | 2.05               | -0.1               | 21.97     | 0.157   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.21                           | 2.05               | -0.1               | 22.11     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 22.44                           | 2.05               | -0.1               | 22.34     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 22.23                           | 2.05               | -0.1               | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 21.13                           | 2.05               | -0.1               | 21.03     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 21.16                           | 2.05               | -0.1               | 21.06     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 21.08                           | 2.05               | -0.1               | 20.98     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 21.05                           | 2.05               | -0.1               | 20.95     | 0.124   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.28                           | 2.05               | -0.1               | 21.18     | 0.131   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 21.38                           | 2.05               | -0.1               | 21.28     | 0.134   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 21.18                           | 2.05               | -0.1               | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 20.09                           | 2.05               | -0.1               | 19.99     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 20.06                           | 2.05               | -0.1               | 19.96     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 20.01                           | 2.05               | -0.1               | 19.91     | 0.098   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.97                           | 2.05               | -0.1               | 22.87     | 0.194   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 23.15                           | 2.05               | -0.1               | 23.05     | 0.202   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 22.92                           | 2.05               | -0.1               | 22.82     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 22.07                           | 2.05               | -0.1               | 21.97     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 22.11                           | 2.05               | -0.1               | 22.01     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 22.04                           | 2.05               | -0.1               | 21.94     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 22.05                           | 2.05               | -0.1               | 21.95     | 0.157   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.26                           | 2.05               | -0.1               | 22.16     | 0.164   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                    |              |           | RB1#7                  | 22.48                           | 2.05                | -0.1                | 22.38     | 0.173   | 3.000     | Pass    |
|                    |              |           | RB1#14                 | 22.09                           | 2.05                | -0.1                | 21.99     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB8#0                  | 21.1                            | 2.05                | -0.1                | 21.00     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB8#4                  | 21.11                           | 2.05                | -0.1                | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB8#7                  | 21.08                           | 2.05                | -0.1                | 20.98     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB15#0                 | 21.03                           | 2.05                | -0.1                | 20.93     | 0.124   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 21.13                           | 2.05                | -0.1                | 21.03     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB1#7                  | 21.39                           | 2.05                | -0.1                | 21.29     | 0.135   | 3.000     | Pass    |
|                    |              |           | RB1#14                 | 21.16                           | 2.05                | -0.1                | 21.06     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB8#0                  | 20.09                           | 2.05                | -0.1                | 19.99     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB8#4                  | 20.08                           | 2.05                | -0.1                | 19.98     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB8#7                  | 20.05                           | 2.05                | -0.1                | 19.95     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB15#0                 | 20.01                           | 2.05                | -0.1                | 19.91     | 0.098   | 3.000     | Pass    |
| 5 MHz              | LCH          | QPSK      | RB1#0                  | 22.9                            | 2.05                | -0.1                | 22.80     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 23.17                           | 2.05                | -0.1                | 23.07     | 0.203   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 22.86                           | 2.05                | -0.1                | 22.76     | 0.189   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 22.01                           | 2.05                | -0.1                | 21.91     | 0.155   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 22.1                            | 2.05                | -0.1                | 22.00     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 22.03                           | 2.05                | -0.1                | 21.93     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 22.03                           | 2.05                | -0.1                | 21.93     | 0.156   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.23                           | 2.05                | -0.1                | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 22.39                           | 2.05                | -0.1                | 22.29     | 0.169   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 22.14                           | 2.05                | -0.1                | 22.04     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 20.96                           | 2.05                | -0.1                | 20.86     | 0.122   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 21.06                           | 2.05                | -0.1                | 20.96     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 20.97                           | 2.05                | -0.1                | 20.87     | 0.122   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 21.02                           | 2.05                | -0.1                | 20.92     | 0.124   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 21.11                           | 2.05                | -0.1                | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 21.4                            | 2.05                | -0.1                | 21.30     | 0.135   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 21.02                           | 2.05                | -0.1                | 20.92     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 19.96                           | 2.05                | -0.1                | 19.86     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 20.06                           | 2.05                | -0.1                | 19.96     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 20.01                           | 2.05                | -0.1                | 19.91     | 0.098   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 19.98                           | 2.05                | -0.1                | 19.88     | 0.097   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.89                           | 2.05                | -0.1                | 22.79     | 0.190   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 23.16                           | 2.05                | -0.1                | 23.06     | 0.202   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 22.87                           | 2.05                | -0.1                | 22.77     | 0.189   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 22.08                           | 2.05                | -0.1                | 21.98     | 0.158   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB12#6                | 22.14                           | 2.05               | -0.1               | 22.04     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.06                           | 2.05               | -0.1               | 21.96     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.08                           | 2.05               | -0.1               | 21.98     | 0.158   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.23                           | 2.05               | -0.1               | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.42                           | 2.05               | -0.1               | 22.32     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.22                           | 2.05               | -0.1               | 22.12     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.05                           | 2.05               | -0.1               | 20.95     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.08                           | 2.05               | -0.1               | 20.98     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.02                           | 2.05               | -0.1               | 20.92     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.05                           | 2.05               | -0.1               | 20.95     | 0.124   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.11                           | 2.05               | -0.1               | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 21.38                           | 2.05               | -0.1               | 21.28     | 0.134   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 21.06                           | 2.05               | -0.1               | 20.96     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 20.06                           | 2.05               | -0.1               | 19.96     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 20.12                           | 2.05               | -0.1               | 20.02     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 20.04                           | 2.05               | -0.1               | 19.94     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 20.05                           | 2.05               | -0.1               | 19.95     | 0.099   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.87                           | 2.05               | -0.1               | 22.77     | 0.189   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.18                           | 2.05               | -0.1               | 23.08     | 0.203   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.85                           | 2.05               | -0.1               | 22.75     | 0.188   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.08                           | 2.05               | -0.1               | 21.98     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.1                            | 2.05               | -0.1               | 22.00     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.05                           | 2.05               | -0.1               | 21.95     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.09                           | 2.05               | -0.1               | 21.99     | 0.158   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.11                           | 2.05               | -0.1               | 22.01     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.43                           | 2.05               | -0.1               | 22.33     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.14                           | 2.05               | -0.1               | 22.04     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.03                           | 2.05               | -0.1               | 20.93     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.08                           | 2.05               | -0.1               | 20.98     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 20.99                           | 2.05               | -0.1               | 20.89     | 0.123   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.07                           | 2.05               | -0.1               | 20.97     | 0.125   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.11                           | 2.05               | -0.1               | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 21.39                           | 2.05               | -0.1               | 21.29     | 0.135   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 20.98                           | 2.05               | -0.1               | 20.88     | 0.122   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 20.06                           | 2.05               | -0.1               | 19.96     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 20.08                           | 2.05               | -0.1               | 19.98     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 20.08                           | 2.05               | -0.1               | 19.98     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 20.09                           | 2.05               | -0.1               | 19.99     | 0.100   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz             | LCH          | QPSK      | RB1#0                 | 22.96                           | 2.05               | -0.1               | 22.86     | 0.193   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.11                           | 2.05               | -0.1               | 23.01     | 0.200   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.97                           | 2.05               | -0.1               | 22.87     | 0.194   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.19                           | 2.05               | -0.1               | 22.09     | 0.162   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.16                           | 2.05               | -0.1               | 22.06     | 0.161   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.15                           | 2.05               | -0.1               | 22.05     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.18                           | 2.05               | -0.1               | 22.08     | 0.161   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.19                           | 2.05               | -0.1               | 22.09     | 0.162   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 22.42                           | 2.05               | -0.1               | 22.32     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.3                            | 2.05               | -0.1               | 22.20     | 0.166   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.18                           | 2.05               | -0.1               | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.12                           | 2.05               | -0.1               | 21.02     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.13                           | 2.05               | -0.1               | 21.03     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.15                           | 2.05               | -0.1               | 21.05     | 0.127   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.12                           | 2.05               | -0.1               | 21.02     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 21.32                           | 2.05               | -0.1               | 21.22     | 0.132   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 21.13                           | 2.05               | -0.1               | 21.03     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 20.13                           | 2.05               | -0.1               | 20.03     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 20.13                           | 2.05               | -0.1               | 20.03     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 20.09                           | 2.05               | -0.1               | 19.99     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 20.09                           | 2.05               | -0.1               | 19.99     | 0.100   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23                              | 2.05               | -0.1               | 22.90     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.12                           | 2.05               | -0.1               | 23.02     | 0.200   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23                              | 2.05               | -0.1               | 22.90     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.09                           | 2.05               | -0.1               | 21.99     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.16                           | 2.05               | -0.1               | 22.06     | 0.161   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.08                           | 2.05               | -0.1               | 21.98     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.09                           | 2.05               | -0.1               | 21.99     | 0.158   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.33                           | 2.05               | -0.1               | 22.23     | 0.167   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 22.43                           | 2.05               | -0.1               | 22.33     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.22                           | 2.05               | -0.1               | 22.12     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.06                           | 2.05               | -0.1               | 20.96     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.11                           | 2.05               | -0.1               | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.07                           | 2.05               | -0.1               | 20.97     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.08                           | 2.05               | -0.1               | 20.98     | 0.125   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.19                           | 2.05               | -0.1               | 21.09     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 21.32                           | 2.05               | -0.1               | 21.22     | 0.132   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 21.22                           | 2.05               | -0.1               | 21.12     | 0.129   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 12</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB25#0                | 20.04                           | 2.05               | -0.1               | 19.94     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 20.01                           | 2.05               | -0.1               | 19.91     | 0.098   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 20.04                           | 2.05               | -0.1               | 19.94     | 0.099   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 22.99                           | 2.05               | -0.1               | 22.89     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.1                            | 2.05               | -0.1               | 23.00     | 0.200   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.94                           | 2.05               | -0.1               | 22.84     | 0.192   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.23                           | 2.05               | -0.1               | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.16                           | 2.05               | -0.1               | 22.06     | 0.161   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.12                           | 2.05               | -0.1               | 22.02     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.21                           | 2.05               | -0.1               | 22.11     | 0.163   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.22                           | 2.05               | -0.1               | 22.12     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 22.4                            | 2.05               | -0.1               | 22.30     | 0.170   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.24                           | 2.05               | -0.1               | 22.14     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.22                           | 2.05               | -0.1               | 21.12     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.14                           | 2.05               | -0.1               | 21.04     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.12                           | 2.05               | -0.1               | 21.02     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.18                           | 2.05               | -0.1               | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.22                           | 2.05               | -0.1               | 21.12     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 21.32                           | 2.05               | -0.1               | 21.22     | 0.132   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 21.13                           | 2.05               | -0.1               | 21.03     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 20.19                           | 2.05               | -0.1               | 20.09     | 0.102   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 20.14                           | 2.05               | -0.1               | 20.04     | 0.101   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz              | LCH          | QPSK      | RB1#0                 | 22.88                           | 2.05               | -0.1               | 22.78     | 0.190   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.2                            | 2.05               | -0.1               | 23.10     | 0.204   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.91                           | 2.05               | -0.1               | 22.81     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.02                           | 2.05               | -0.1               | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.14                           | 2.05               | -0.1               | 22.04     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.04                           | 2.05               | -0.1               | 21.94     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.02                           | 2.05               | -0.1               | 21.92     | 0.156   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.22                           | 2.05               | -0.1               | 22.12     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.44                           | 2.05               | -0.1               | 22.34     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.14                           | 2.05               | -0.1               | 22.04     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 20.97                           | 2.05               | -0.1               | 20.87     | 0.122   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.11                           | 2.05               | -0.1               | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21                              | 2.05               | -0.1               | 20.90     | 0.123   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21                              | 2.05               | -0.1               | 20.90     | 0.123   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.11                           | 2.05               | -0.1               | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 21.33                           | 2.05               | -0.1               | 21.23     | 0.133   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 21.02                           | 2.05               | -0.1               | 20.92     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 19.98                           | 2.05               | -0.1               | 19.88     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 20.03                           | 2.05               | -0.1               | 19.93     | 0.098   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 19.98                           | 2.05               | -0.1               | 19.88     | 0.097   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.92                           | 2.05               | -0.1               | 22.82     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.21                           | 2.05               | -0.1               | 23.11     | 0.205   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.9                            | 2.05               | -0.1               | 22.80     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.11                           | 2.05               | -0.1               | 22.01     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.13                           | 2.05               | -0.1               | 22.03     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.05                           | 2.05               | -0.1               | 21.95     | 0.157   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.11                           | 2.05               | -0.1               | 22.01     | 0.159   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.14                           | 2.05               | -0.1               | 22.04     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.39                           | 2.05               | -0.1               | 22.29     | 0.169   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.24                           | 2.05               | -0.1               | 22.14     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.05                           | 2.05               | -0.1               | 20.95     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.09                           | 2.05               | -0.1               | 20.99     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.02                           | 2.05               | -0.1               | 20.92     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.1                            | 2.05               | -0.1               | 21.00     | 0.126   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.18                           | 2.05               | -0.1               | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 21.28                           | 2.05               | -0.1               | 21.18     | 0.131   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE Band 17</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                    | HCH          |           | RB1#24                 | 21.06                           | 2.05                | -0.1                | 20.96     | 0.125   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 20.12                           | 2.05                | -0.1                | 20.02     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 20.09                           | 2.05                | -0.1                | 19.99     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 19.99                           | 2.05                | -0.1                | 19.89     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 20.06                           | 2.05                | -0.1                | 19.96     | 0.099   | 3.000     | Pass    |
|                    |              | QPSK      | RB1#0                  | 22.91                           | 2.05                | -0.1                | 22.81     | 0.191   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 23.12                           | 2.05                | -0.1                | 23.02     | 0.200   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 22.82                           | 2.05                | -0.1                | 22.72     | 0.187   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 22.08                           | 2.05                | -0.1                | 21.98     | 0.158   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 22.12                           | 2.05                | -0.1                | 22.02     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 22.04                           | 2.05                | -0.1                | 21.94     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 22.07                           | 2.05                | -0.1                | 21.97     | 0.157   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.24                           | 2.05                | -0.1                | 22.14     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 22.48                           | 2.05                | -0.1                | 22.38     | 0.173   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 22.04                           | 2.05                | -0.1                | 21.94     | 0.156   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 21.03                           | 2.05                | -0.1                | 20.93     | 0.124   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 21.09                           | 2.05                | -0.1                | 20.99     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 20.99                           | 2.05                | -0.1                | 20.89     | 0.123   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 21.05                           | 2.05                | -0.1                | 20.95     | 0.124   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 21.18                           | 2.05                | -0.1                | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB1#13                 | 21.24                           | 2.05                | -0.1                | 21.14     | 0.130   | 3.000     | Pass    |
|                    |              |           | RB1#24                 | 20.93                           | 2.05                | -0.1                | 20.83     | 0.121   | 3.000     | Pass    |
|                    |              |           | RB12#0                 | 20.08                           | 2.05                | -0.1                | 19.98     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#6                 | 20.09                           | 2.05                | -0.1                | 19.99     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB12#13                | 20.04                           | 2.05                | -0.1                | 19.94     | 0.099   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 20.04                           | 2.05                | -0.1                | 19.94     | 0.099   | 3.000     | Pass    |
| 10 MHz             | LCH          | QPSK      | RB1#0                  | 23.02                           | 2.05                | -0.1                | 22.92     | 0.196   | 3.000     | Pass    |
|                    |              |           | RB1#25                 | 23.16                           | 2.05                | -0.1                | 23.06     | 0.202   | 3.000     | Pass    |
|                    |              |           | RB1#49                 | 22.99                           | 2.05                | -0.1                | 22.89     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 22.19                           | 2.05                | -0.1                | 22.09     | 0.162   | 3.000     | Pass    |
|                    |              |           | RB25#13                | 22.2                            | 2.05                | -0.1                | 22.10     | 0.162   | 3.000     | Pass    |
|                    |              |           | RB25#25                | 22.13                           | 2.05                | -0.1                | 22.03     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB50#0                 | 22.2                            | 2.05                | -0.1                | 22.10     | 0.162   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.23                           | 2.05                | -0.1                | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              |           | RB1#25                 | 22.44                           | 2.05                | -0.1                | 22.34     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#49                 | 22.34                           | 2.05                | -0.1                | 22.24     | 0.167   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 21.18                           | 2.05                | -0.1                | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB25#13                | 21.16                           | 2.05                | -0.1                | 21.06     | 0.128   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 17</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB25#25               | 21.1                            | 2.05               | -0.1               | 21.00     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.17                           | 2.05               | -0.1               | 21.07     | 0.128   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.14                           | 2.05               | -0.1               | 21.04     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 21.29                           | 2.05               | -0.1               | 21.19     | 0.132   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 21.18                           | 2.05               | -0.1               | 21.08     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 20.15                           | 2.05               | -0.1               | 20.05     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 20.14                           | 2.05               | -0.1               | 20.04     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 20.1                            | 2.05               | -0.1               | 20.00     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.04                           | 2.05               | -0.1               | 22.94     | 0.197   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.14                           | 2.05               | -0.1               | 23.04     | 0.201   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23                              | 2.05               | -0.1               | 22.90     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.25                           | 2.05               | -0.1               | 22.15     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.17                           | 2.05               | -0.1               | 22.07     | 0.161   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.12                           | 2.05               | -0.1               | 22.02     | 0.159   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.23                           | 2.05               | -0.1               | 22.13     | 0.163   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.36                           | 2.05               | -0.1               | 22.26     | 0.168   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 22.42                           | 2.05               | -0.1               | 22.32     | 0.171   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.34                           | 2.05               | -0.1               | 22.24     | 0.167   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.22                           | 2.05               | -0.1               | 21.12     | 0.129   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.17                           | 2.05               | -0.1               | 21.07     | 0.128   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.1                            | 2.05               | -0.1               | 21.00     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.2                            | 2.05               | -0.1               | 21.10     | 0.129   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                 | 21.23                           | 2.05               | -0.1               | 21.13     | 0.130   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 21.3                            | 2.05               | -0.1               | 21.20     | 0.132   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 21.15                           | 2.05               | -0.1               | 21.05     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 20.2                            | 2.05               | -0.1               | 20.10     | 0.102   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 20.16                           | 2.05               | -0.1               | 20.06     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 20.11                           | 2.05               | -0.1               | 20.01     | 0.100   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 20.19                           | 2.05               | -0.1               | 20.09     | 0.102   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.01                           | 2.05               | -0.1               | 22.91     | 0.195   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.16                           | 2.05               | -0.1               | 23.06     | 0.202   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 22.94                           | 2.05               | -0.1               | 22.84     | 0.192   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.24                           | 2.05               | -0.1               | 22.14     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.17                           | 2.05               | -0.1               | 22.07     | 0.161   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.15                           | 2.05               | -0.1               | 22.05     | 0.160   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.21                           | 2.05               | -0.1               | 22.11     | 0.163   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.3                            | 2.05               | -0.1               | 22.20     | 0.166   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| <b>LTE Band 17</b> |              |           |                        |                                 |                     |                     |           |         |           |         |
|                    |              |           | RB1#25                 | 22.37                           | 2.05                | -0.1                | 22.27     | 0.169   | 3.000     | Pass    |
|                    |              |           | RB1#49                 | 22.25                           | 2.05                | -0.1                | 22.15     | 0.164   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 21.25                           | 2.05                | -0.1                | 21.15     | 0.130   | 3.000     | Pass    |
|                    |              |           | RB25#13                | 21.13                           | 2.05                | -0.1                | 21.03     | 0.127   | 3.000     | Pass    |
|                    |              |           | RB25#25                | 21.11                           | 2.05                | -0.1                | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB50#0                 | 21.19                           | 2.05                | -0.1                | 21.09     | 0.129   | 3.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 21.24                           | 2.05                | -0.1                | 21.14     | 0.130   | 3.000     | Pass    |
|                    |              |           | RB1#25                 | 21.35                           | 2.05                | -0.1                | 21.25     | 0.133   | 3.000     | Pass    |
|                    |              |           | RB1#49                 | 21.11                           | 2.05                | -0.1                | 21.01     | 0.126   | 3.000     | Pass    |
|                    |              |           | RB25#0                 | 20.2                            | 2.05                | -0.1                | 20.10     | 0.102   | 3.000     | Pass    |
|                    |              |           | RB25#13                | 20.14                           | 2.05                | -0.1                | 20.04     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB25#25                | 20.13                           | 2.05                | -0.1                | 20.03     | 0.101   | 3.000     | Pass    |
|                    |              |           | RB50#0                 | 20.18                           | 2.05                | -0.1                | 20.08     | 0.102   | 3.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
| 1.4 MHz            | LCH          | QPSK      | RB1#0                  | 22.65                           | 2.33               | 24.98      | 0.315    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 22.78                           | 2.33               | 25.11      | 0.324    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 22.66                           | 2.33               | 24.99      | 0.316    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 22.73                           | 2.33               | 25.06      | 0.321    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 22.8                            | 2.33               | 25.13      | 0.326    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 22.77                           | 2.33               | 25.10      | 0.324    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.79                           | 2.33               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 21.95                           | 2.33               | 24.28      | 0.268    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 21.96                           | 2.33               | 24.29      | 0.269    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 21.7                            | 2.33               | 24.03      | 0.253    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 20.91                           | 2.33               | 23.24      | 0.211    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 21.03                           | 2.33               | 23.36      | 0.217    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 20.85                           | 2.33               | 23.18      | 0.208    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 20.93                           | 2.33               | 23.26      | 0.212    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 20.83                           | 2.33               | 23.16      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 19.75                           | 2.33               | 22.08      | 0.161    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.37                           | 2.33               | 24.70      | 0.295    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 22.49                           | 2.33               | 24.82      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 22.39                           | 2.33               | 24.72      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 22.45                           | 2.33               | 24.78      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 22.51                           | 2.33               | 24.84      | 0.305    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 21.46                           | 2.33               | 23.79      | 0.239    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 21.66                           | 2.33               | 23.99      | 0.251    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 21.64                           | 2.33               | 23.97      | 0.249    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 21.46                           | 2.33               | 23.79      | 0.239    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 21.51                           | 2.33               | 23.84      | 0.242    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 21.43                           | 2.33               | 23.76      | 0.238    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.51                           | 2.33               | 22.84      | 0.192    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 20.71                           | 2.33               | 23.04      | 0.201    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    | HCH          |           | RB1#5                  | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 19.47                           | 2.33               | 21.80      | 0.151    | 2.000     | Pass    |
|                    |              | QPSK      | RB1#0                  | 22.42                           | 2.33               | 24.75      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 22.54                           | 2.33               | 24.87      | 0.307    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 22.44                           | 2.33               | 24.77      | 0.300    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 22.54                           | 2.33               | 24.87      | 0.307    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 22.56                           | 2.33               | 24.89      | 0.308    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 22.53                           | 2.33               | 24.86      | 0.306    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 21.67                           | 2.33               | 24.00      | 0.251    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 21.47                           | 2.33               | 23.80      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 21.51                           | 2.33               | 23.84      | 0.242    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 20.6                            | 2.33               | 22.93      | 0.196    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB1#3                  | 20.76                           | 2.33               | 23.09      | 0.204    | 2.000     | Pass    |
|                    |              |           | RB1#5                  | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB3#0                  | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB3#2                  | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                    |              |           | RB3#3                  | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB6#0                  | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
| 3 MHz              | LCH          | QPSK      | RB1#0                  | 22.72                           | 2.33               | 25.05      | 0.320    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 22.83                           | 2.33               | 25.16      | 0.328    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 22.71                           | 2.33               | 25.04      | 0.319    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.95                           | 2.33               | 24.28      | 0.268    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 21.98                           | 2.33               | 24.31      | 0.270    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 21.9                            | 2.33               | 24.23      | 0.265    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 20.84                           | 2.33               | 23.17      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              |           | RB8#7                  | 20.84                           | 2.33               | 23.17      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 20.77                           | 2.33               | 23.10      | 0.204    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.85                           | 2.33               | 23.18      | 0.208    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 21                              | 2.33               | 23.33      | 0.215    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 20.96                           | 2.33               | 23.29      | 0.213    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 19.82                           | 2.33               | 22.15      | 0.164    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 19.79                           | 2.33               | 22.12      | 0.163    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 19.78                           | 2.33               | 22.11      | 0.163    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.45                           | 2.33               | 24.78      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 22.59                           | 2.33               | 24.92      | 0.310    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 22.46                           | 2.33               | 24.79      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 21.47                           | 2.33               | 23.80      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 21.49                           | 2.33               | 23.82      | 0.241    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 21.47                           | 2.33               | 23.80      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 21.45                           | 2.33               | 23.78      | 0.239    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 21.7                            | 2.33               | 24.03      | 0.253    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 20.5                            | 2.33               | 22.83      | 0.192    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 20.71                           | 2.33               | 23.04      | 0.201    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 19.51                           | 2.33               | 21.84      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 19.53                           | 2.33               | 21.86      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 19.53                           | 2.33               | 21.86      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 19.47                           | 2.33               | 21.80      | 0.151    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 22.49                           | 2.33               | 24.82      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 22.66                           | 2.33               | 24.99      | 0.316    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 21.57                           | 2.33               | 23.90      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 21.51                           | 2.33               | 23.84      | 0.242    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 21.55                           | 2.33               | 23.88      | 0.244    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              |           | RB1#7                  | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 21.64                           | 2.33               | 23.97      | 0.249    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 20.55                           | 2.33               | 22.88      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.62                           | 2.33               | 22.95      | 0.197    | 2.000     | Pass    |
|                    |              |           | RB1#7                  | 20.78                           | 2.33               | 23.11      | 0.205    | 2.000     | Pass    |
|                    |              |           | RB1#14                 | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                    |              |           | RB8#0                  | 19.62                           | 2.33               | 21.95      | 0.157    | 2.000     | Pass    |
|                    |              |           | RB8#4                  | 19.63                           | 2.33               | 21.96      | 0.157    | 2.000     | Pass    |
|                    |              |           | RB8#7                  | 19.57                           | 2.33               | 21.90      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB15#0                 | 19.52                           | 2.33               | 21.85      | 0.153    | 2.000     | Pass    |
| 5 MHz              | LCH          | QPSK      | RB1#0                  | 22.6                            | 2.33               | 24.93      | 0.311    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 22.91                           | 2.33               | 25.24      | 0.334    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 22.61                           | 2.33               | 24.94      | 0.312    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 21.76                           | 2.33               | 24.09      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 21.81                           | 2.33               | 24.14      | 0.259    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 21.77                           | 2.33               | 24.10      | 0.257    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB25#0                 | 21.74                           | 2.33               | 24.07      | 0.255    | 2.000     | Pass    |
|                    |              |           | RB1#0                  | 21.77                           | 2.33               | 24.10      | 0.257    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 22.04                           | 2.33               | 24.37      | 0.274    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 21.8                            | 2.33               | 24.13      | 0.259    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 20.75                           | 2.33               | 23.08      | 0.203    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 20.8                            | 2.33               | 23.13      | 0.206    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 20.77                           | 2.33               | 23.10      | 0.204    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 20.81                           | 2.33               | 23.14      | 0.206    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.81                           | 2.33               | 23.14      | 0.206    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 20.99                           | 2.33               | 23.32      | 0.215    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 20.79                           | 2.33               | 23.12      | 0.205    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 19.77                           | 2.33               | 22.10      | 0.162    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 19.79                           | 2.33               | 22.12      | 0.163    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 19.75                           | 2.33               | 22.08      | 0.161    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.35                           | 2.33               | 24.68      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 22.66                           | 2.33               | 24.99      | 0.316    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 22.35                           | 2.33               | 24.68      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 21.49                           | 2.33               | 23.82      | 0.241    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              |           | RB12#6                 | 21.52                           | 2.33               | 23.85      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 21.45                           | 2.33               | 23.78      | 0.239    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.57                           | 2.33               | 23.90      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 21.86                           | 2.33               | 24.19      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 21.63                           | 2.33               | 23.96      | 0.249    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 20.51                           | 2.33               | 22.84      | 0.192    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 20.49                           | 2.33               | 22.82      | 0.191    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 20.83                           | 2.33               | 23.16      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 20.47                           | 2.33               | 22.80      | 0.191    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 19.51                           | 2.33               | 21.84      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 19.55                           | 2.33               | 21.88      | 0.154    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 19.5                            | 2.33               | 21.83      | 0.152    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 19.52                           | 2.33               | 21.85      | 0.153    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 22.39                           | 2.33               | 24.72      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 22.71                           | 2.33               | 25.04      | 0.319    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 22.38                           | 2.33               | 24.71      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 21.57                           | 2.33               | 23.90      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 21.62                           | 2.33               | 23.95      | 0.248    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.65                           | 2.33               | 23.98      | 0.250    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 21.98                           | 2.33               | 24.31      | 0.270    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 20.51                           | 2.33               | 22.84      | 0.192    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 20.49                           | 2.33               | 22.82      | 0.191    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.61                           | 2.33               | 22.94      | 0.197    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 20.8                            | 2.33               | 23.13      | 0.206    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 19.58                           | 2.33               | 21.91      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 19.64                           | 2.33               | 21.97      | 0.157    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 19.52                           | 2.33               | 21.85      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 19.59                           | 2.33               | 21.92      | 0.156    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
| 10 MHz             | LCH          | QPSK      | RB1#0                  | 22.81                           | 2.33               | 25.14      | 0.327    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 22.93                           | 2.33               | 25.26      | 0.336    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 22.73                           | 2.33               | 25.06      | 0.321    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.85                           | 2.33               | 24.18      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 21.93                           | 2.33               | 24.26      | 0.267    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 21.85                           | 2.33               | 24.18      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 21.88                           | 2.33               | 24.21      | 0.264    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.1                            | 2.33               | 24.43      | 0.277    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 22.16                           | 2.33               | 24.49      | 0.281    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 21.94                           | 2.33               | 24.27      | 0.267    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 20.91                           | 2.33               | 23.24      | 0.211    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 20.95                           | 2.33               | 23.28      | 0.213    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 20.88                           | 2.33               | 23.21      | 0.209    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 20.9                            | 2.33               | 23.23      | 0.210    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 21.01                           | 2.33               | 23.34      | 0.216    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 21.09                           | 2.33               | 23.42      | 0.220    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 20.91                           | 2.33               | 23.24      | 0.211    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 19.87                           | 2.33               | 22.20      | 0.166    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 19.92                           | 2.33               | 22.25      | 0.168    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 19.87                           | 2.33               | 22.20      | 0.166    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 19.9                            | 2.33               | 22.23      | 0.167    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.45                           | 2.33               | 24.78      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 22.54                           | 2.33               | 24.87      | 0.307    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 22.42                           | 2.33               | 24.75      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 21.48                           | 2.33               | 23.81      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 21.52                           | 2.33               | 23.85      | 0.243    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.69                           | 2.33               | 24.02      | 0.252    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 21.69                           | 2.33               | 24.02      | 0.252    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 21.75                           | 2.33               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 20.5                            | 2.33               | 22.83      | 0.192    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.63                           | 2.33               | 22.96      | 0.198    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 20.76                           | 2.33               | 23.09      | 0.204    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 20.68                           | 2.33               | 23.01      | 0.200    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              |           | RB25#0                 | 19.54                           | 2.33               | 21.87      | 0.154    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 19.53                           | 2.33               | 21.86      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 19.49                           | 2.33               | 21.82      | 0.152    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 19.54                           | 2.33               | 21.87      | 0.154    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 22.63                           | 2.33               | 24.96      | 0.313    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 22.52                           | 2.33               | 24.85      | 0.305    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.65                           | 2.33               | 23.98      | 0.250    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 21.62                           | 2.33               | 23.95      | 0.248    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.65                           | 2.33               | 23.98      | 0.250    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 21.79                           | 2.33               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 20.62                           | 2.33               | 22.95      | 0.197    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.58                           | 2.33               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB1#25                 | 20.76                           | 2.33               | 23.09      | 0.204    | 2.000     | Pass    |
|                    |              |           | RB1#49                 | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 19.65                           | 2.33               | 21.98      | 0.158    | 2.000     | Pass    |
|                    |              |           | RB25#13                | 19.6                            | 2.33               | 21.93      | 0.156    | 2.000     | Pass    |
|                    |              |           | RB25#25                | 19.58                           | 2.33               | 21.91      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 19.59                           | 2.33               | 21.92      | 0.156    | 2.000     | Pass    |
| 15 MHz             | LCH          | QPSK      | RB1#0                  | 22.78                           | 2.33               | 25.11      | 0.324    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 23.04                           | 2.33               | 25.37      | 0.344    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 22.63                           | 2.33               | 24.96      | 0.313    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 21.87                           | 2.33               | 24.20      | 0.263    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 21.89                           | 2.33               | 24.22      | 0.264    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 21.8                            | 2.33               | 24.13      | 0.259    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.95                           | 2.33               | 24.28      | 0.268    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 22.17                           | 2.33               | 24.50      | 0.282    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 20.86                           | 2.33               | 23.19      | 0.208    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 20.87                           | 2.33               | 23.20      | 0.209    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 20.81                           | 2.33               | 23.14      | 0.206    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              | 64-QAM    | RB75#0                 | 20.87                           | 2.33               | 23.20      | 0.209    | 2.000     | Pass    |
|                    |              |           | RB1#0                  | 20.97                           | 2.33               | 23.30      | 0.214    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 21.16                           | 2.33               | 23.49      | 0.223    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 20.71                           | 2.33               | 23.04      | 0.201    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 19.87                           | 2.33               | 22.20      | 0.166    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 19.8                            | 2.33               | 22.13      | 0.163    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.43                           | 2.33               | 24.76      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 22.63                           | 2.33               | 24.96      | 0.313    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 22.4                            | 2.33               | 24.73      | 0.297    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 21.51                           | 2.33               | 23.84      | 0.242    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.54                           | 2.33               | 23.87      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 21.86                           | 2.33               | 24.19      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 21.66                           | 2.33               | 23.99      | 0.251    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 20.47                           | 2.33               | 22.80      | 0.191    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.6                            | 2.33               | 22.93      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 20.74                           | 2.33               | 23.07      | 0.203    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 19.52                           | 2.33               | 21.85      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 19.48                           | 2.33               | 21.81      | 0.152    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 19.52                           | 2.33               | 21.85      | 0.153    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 22.35                           | 2.33               | 24.68      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 22.65                           | 2.33               | 24.98      | 0.315    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 22.48                           | 2.33               | 24.81      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 21.63                           | 2.33               | 23.96      | 0.249    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.52                           | 2.33               | 23.85      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              |           | RB1#74                 | 21.73                           | 2.33               | 24.06      | 0.255    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 20.52                           | 2.33               | 22.85      | 0.193    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.51                           | 2.33               | 22.84      | 0.192    | 2.000     | Pass    |
|                    |              |           | RB1#38                 | 20.76                           | 2.33               | 23.09      | 0.204    | 2.000     | Pass    |
|                    |              |           | RB1#74                 | 20.56                           | 2.33               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB36#0                 | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB36#19                | 19.62                           | 2.33               | 21.95      | 0.157    | 2.000     | Pass    |
|                    |              |           | RB36#39                | 19.58                           | 2.33               | 21.91      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB75#0                 | 19.58                           | 2.33               | 21.91      | 0.155    | 2.000     | Pass    |
| 20 MHz             | LCH          | QPSK      | RB1#0                  | 22.67                           | 2.33               | 25.00      | 0.316    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 22.87                           | 2.33               | 25.20      | 0.331    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 22.38                           | 2.33               | 24.71      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 21.88                           | 2.33               | 24.21      | 0.264    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 21.86                           | 2.33               | 24.19      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 21.8                            | 2.33               | 24.13      | 0.259    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 21.83                           | 2.33               | 24.16      | 0.261    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.93                           | 2.33               | 24.26      | 0.267    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 22.03                           | 2.33               | 24.36      | 0.273    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 21.63                           | 2.33               | 23.96      | 0.249    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 20.92                           | 2.33               | 23.25      | 0.211    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 20.88                           | 2.33               | 23.21      | 0.209    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 20.82                           | 2.33               | 23.15      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 20.84                           | 2.33               | 23.17      | 0.207    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.87                           | 2.33               | 23.20      | 0.209    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 21.04                           | 2.33               | 23.37      | 0.217    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 19.9                            | 2.33               | 22.23      | 0.167    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 19.84                           | 2.33               | 22.17      | 0.165    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 19.79                           | 2.33               | 22.12      | 0.163    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 19.82                           | 2.33               | 22.15      | 0.164    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 22.33                           | 2.33               | 24.66      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 22.55                           | 2.33               | 24.88      | 0.308    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 22.21                           | 2.33               | 24.54      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 21.6                            | 2.33               | 23.93      | 0.247    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 21.56                           | 2.33               | 23.89      | 0.245    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Off set) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|------------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 25</b> |              |           |                        |                                 |                    |            |          |           |         |
|                    |              |           | RB50#50                | 21.5                            | 2.33               | 23.83      | 0.242    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 21.55                           | 2.33               | 23.88      | 0.244    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.53                           | 2.33               | 23.86      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 21.77                           | 2.33               | 24.10      | 0.257    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 21.47                           | 2.33               | 23.80      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 20.61                           | 2.33               | 22.94      | 0.197    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 20.53                           | 2.33               | 22.86      | 0.193    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 20.57                           | 2.33               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.48                           | 2.33               | 22.81      | 0.191    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 20.71                           | 2.33               | 23.04      | 0.201    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 20.36                           | 2.33               | 22.69      | 0.186    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 19.6                            | 2.33               | 21.93      | 0.156    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 19.57                           | 2.33               | 21.90      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 19.51                           | 2.33               | 21.84      | 0.153    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 22.21                           | 2.33               | 24.54      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 22.61                           | 2.33               | 24.94      | 0.312    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 22.29                           | 2.33               | 24.62      | 0.290    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 21.57                           | 2.33               | 23.90      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 21.57                           | 2.33               | 23.90      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 21.58                           | 2.33               | 23.91      | 0.246    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.42                           | 2.33               | 23.75      | 0.237    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 21.78                           | 2.33               | 24.11      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 21.59                           | 2.33               | 23.92      | 0.247    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 20.59                           | 2.33               | 22.92      | 0.196    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 20.54                           | 2.33               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              | 64-QAM    | RB1#0                  | 20.44                           | 2.33               | 22.77      | 0.189    | 2.000     | Pass    |
|                    |              |           | RB1#50                 | 20.75                           | 2.33               | 23.08      | 0.203    | 2.000     | Pass    |
|                    |              |           | RB1#99                 | 20.43                           | 2.33               | 22.76      | 0.189    | 2.000     | Pass    |
|                    |              |           | RB50#0                 | 19.6                            | 2.33               | 21.93      | 0.156    | 2.000     | Pass    |
|                    |              |           | RB50#25                | 19.62                           | 2.33               | 21.95      | 0.157    | 2.000     | Pass    |
|                    |              |           | RB50#50                | 19.57                           | 2.33               | 21.90      | 0.155    | 2.000     | Pass    |
|                    |              |           | RB100#0                | 19.56                           | 2.33               | 21.89      | 0.155    | 2.000     | Pass    |

| Test BW                     | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                     | LCH          | QPSK      | RB1#0                 | 23.31                           | 0.48               | -1.67              | 21.64     | 0.146   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.47                           | 0.48               | -1.67              | 21.80     | 0.151   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.31                           | 0.48               | -1.67              | 21.64     | 0.146   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 23.38                           | 0.48               | -1.67              | 21.71     | 0.148   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 23.45                           | 0.48               | -1.67              | 21.78     | 0.151   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 23.43                           | 0.48               | -1.67              | 21.76     | 0.150   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 22.43                           | 0.48               | -1.67              | 20.76     | 0.119   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 22.62                           | 0.48               | -1.67              | 20.95     | 0.124   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 22.73                           | 0.48               | -1.67              | 21.06     | 0.128   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 22.59                           | 0.48               | -1.67              | 20.92     | 0.124   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 22.36                           | 0.48               | -1.67              | 20.69     | 0.117   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 22.44                           | 0.48               | -1.67              | 20.77     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 22.32                           | 0.48               | -1.67              | 20.65     | 0.116   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 21.5                            | 0.48               | -1.67              | 19.83     | 0.096   | 7.000     | Pass    |
|                             |              | 64-QAM    | RB1#0                 | 21.46                           | 0.48               | -1.67              | 19.79     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 21.62                           | 0.48               | -1.67              | 19.95     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 21.51                           | 0.48               | -1.67              | 19.84     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 21.48                           | 0.48               | -1.67              | 19.81     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 21.53                           | 0.48               | -1.67              | 19.86     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 21.54                           | 0.48               | -1.67              | 19.87     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.46                           | 0.48               | -1.67              | 18.79     | 0.076   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.29                           | 0.48               | -1.67              | 21.62     | 0.145   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.42                           | 0.48               | -1.67              | 21.75     | 0.150   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.3                            | 0.48               | -1.67              | 21.63     | 0.146   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 23.36                           | 0.48               | -1.67              | 21.69     | 0.148   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 23.45                           | 0.48               | -1.67              | 21.78     | 0.151   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 23.42                           | 0.48               | -1.67              | 21.75     | 0.150   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 22.42                           | 0.48               | -1.67              | 20.75     | 0.119   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 22.61                           | 0.48               | -1.67              | 20.94     | 0.124   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 22.76                           | 0.48               | -1.67              | 21.09     | 0.129   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 22.63                           | 0.48               | -1.67              | 20.96     | 0.125   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 22.41                           | 0.48               | -1.67              | 20.74     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 22.44                           | 0.48               | -1.67              | 20.77     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 22.34                           | 0.48               | -1.67              | 20.67     | 0.117   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 21.52                           | 0.48               | -1.67              | 19.85     | 0.097   | 7.000     | Pass    |
|                             |              | 64-QAM    | RB1#0                 | 21.45                           | 0.48               | -1.67              | 19.78     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 21.6                            | 0.48               | -1.67              | 19.93     | 0.098   | 7.000     | Pass    |

| Test BW              | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenn a Gain (dBi) | Antenn a Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|----------------------|--------------|-----------|-----------------------|---------------------------------|---------------------|---------------------|-----------|---------|-----------|---------|
| LTE Band 26 (Part22) |              |           |                       |                                 |                     |                     |           |         |           |         |
|                      |              |           | RB1#5                 | 21.53                           | 0.48                | -1.67               | 19.86     | 0.097   | 7.000     | Pass    |
|                      |              |           | RB3#0                 | 21.49                           | 0.48                | -1.67               | 19.82     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB3#2                 | 21.56                           | 0.48                | -1.67               | 19.89     | 0.097   | 7.000     | Pass    |
|                      |              |           | RB3#3                 | 21.51                           | 0.48                | -1.67               | 19.84     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB6#0                 | 20.45                           | 0.48                | -1.67               | 18.78     | 0.076   | 7.000     | Pass    |
|                      | HCH          | QPSK      | RB1#0                 | 23.31                           | 0.48                | -1.67               | 21.64     | 0.146   | 7.000     | Pass    |
|                      |              |           | RB1#3                 | 23.43                           | 0.48                | -1.67               | 21.76     | 0.150   | 7.000     | Pass    |
|                      |              |           | RB1#5                 | 23.34                           | 0.48                | -1.67               | 21.67     | 0.147   | 7.000     | Pass    |
|                      |              |           | RB3#0                 | 23.41                           | 0.48                | -1.67               | 21.74     | 0.149   | 7.000     | Pass    |
|                      |              |           | RB3#2                 | 23.45                           | 0.48                | -1.67               | 21.78     | 0.151   | 7.000     | Pass    |
|                      |              |           | RB3#3                 | 23.41                           | 0.48                | -1.67               | 21.74     | 0.149   | 7.000     | Pass    |
|                      |              |           | RB6#0                 | 22.45                           | 0.48                | -1.67               | 20.78     | 0.120   | 7.000     | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 22.57                           | 0.48                | -1.67               | 20.90     | 0.123   | 7.000     | Pass    |
|                      |              |           | RB1#3                 | 22.62                           | 0.48                | -1.67               | 20.95     | 0.124   | 7.000     | Pass    |
|                      |              |           | RB1#5                 | 22.37                           | 0.48                | -1.67               | 20.70     | 0.117   | 7.000     | Pass    |
|                      |              |           | RB3#0                 | 22.36                           | 0.48                | -1.67               | 20.69     | 0.117   | 7.000     | Pass    |
|                      |              |           | RB3#2                 | 22.39                           | 0.48                | -1.67               | 20.72     | 0.118   | 7.000     | Pass    |
|                      |              |           | RB3#3                 | 22.32                           | 0.48                | -1.67               | 20.65     | 0.116   | 7.000     | Pass    |
|                      |              |           | RB6#0                 | 21.52                           | 0.48                | -1.67               | 19.85     | 0.097   | 7.000     | Pass    |
|                      |              | 64-QAM    | RB1#0                 | 21.49                           | 0.48                | -1.67               | 19.82     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB1#3                 | 21.51                           | 0.48                | -1.67               | 19.84     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB1#5                 | 21.42                           | 0.48                | -1.67               | 19.75     | 0.094   | 7.000     | Pass    |
|                      |              |           | RB3#0                 | 21.44                           | 0.48                | -1.67               | 19.77     | 0.095   | 7.000     | Pass    |
|                      |              |           | RB3#2                 | 21.51                           | 0.48                | -1.67               | 19.84     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB3#3                 | 21.45                           | 0.48                | -1.67               | 19.78     | 0.095   | 7.000     | Pass    |
|                      |              |           | RB6#0                 | 20.46                           | 0.48                | -1.67               | 18.79     | 0.076   | 7.000     | Pass    |
| 3 MHz                | LCH          | QPSK      | RB1#0                 | 23.38                           | 0.48                | -1.67               | 21.71     | 0.148   | 7.000     | Pass    |
|                      |              |           | RB1#7                 | 23.51                           | 0.48                | -1.67               | 21.84     | 0.153   | 7.000     | Pass    |
|                      |              |           | RB1#14                | 23.41                           | 0.48                | -1.67               | 21.74     | 0.149   | 7.000     | Pass    |
|                      |              |           | RB8#0                 | 22.42                           | 0.48                | -1.67               | 20.75     | 0.119   | 7.000     | Pass    |
|                      |              |           | RB8#4                 | 22.45                           | 0.48                | -1.67               | 20.78     | 0.120   | 7.000     | Pass    |
|                      |              |           | RB8#7                 | 22.44                           | 0.48                | -1.67               | 20.77     | 0.119   | 7.000     | Pass    |
|                      |              |           | RB15#0                | 22.44                           | 0.48                | -1.67               | 20.77     | 0.119   | 7.000     | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 22.56                           | 0.48                | -1.67               | 20.89     | 0.123   | 7.000     | Pass    |
|                      |              |           | RB1#7                 | 22.82                           | 0.48                | -1.67               | 21.15     | 0.130   | 7.000     | Pass    |
|                      |              |           | RB1#14                | 22.64                           | 0.48                | -1.67               | 20.97     | 0.125   | 7.000     | Pass    |
|                      |              |           | RB8#0                 | 21.5                            | 0.48                | -1.67               | 19.83     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB8#4                 | 21.51                           | 0.48                | -1.67               | 19.84     | 0.096   | 7.000     | Pass    |
|                      |              |           |                       |                                 |                     |                     |           |         |           |         |
|                      |              |           |                       |                                 |                     |                     |           |         |           |         |
|                      |              |           |                       |                                 |                     |                     |           |         |           |         |
|                      |              |           |                       |                                 |                     |                     |           |         |           |         |

| Test BW                     | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             |              |           | RB8#7                 | 21.46                           | 0.48               | -1.67              | 19.79     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 21.44                           | 0.48               | -1.67              | 19.77     | 0.095   | 7.000     | Pass    |
|                             |              | 64-QAM    | RB1#0                 | 21.55                           | 0.48               | -1.67              | 19.88     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 21.67                           | 0.48               | -1.67              | 20.00     | 0.100   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 21.55                           | 0.48               | -1.67              | 19.88     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.52                           | 0.48               | -1.67              | 18.85     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.54                           | 0.48               | -1.67              | 18.87     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 20.51                           | 0.48               | -1.67              | 18.84     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 20.47                           | 0.48               | -1.67              | 18.80     | 0.076   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.41                           | 0.48               | -1.67              | 21.74     | 0.149   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.56                           | 0.48               | -1.67              | 21.89     | 0.155   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.41                           | 0.48               | -1.67              | 21.74     | 0.149   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 22.42                           | 0.48               | -1.67              | 20.75     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 22.46                           | 0.48               | -1.67              | 20.79     | 0.120   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 22.43                           | 0.48               | -1.67              | 20.76     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 22.43                           | 0.48               | -1.67              | 20.76     | 0.119   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 22.69                           | 0.48               | -1.67              | 21.02     | 0.126   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 22.85                           | 0.48               | -1.67              | 21.18     | 0.131   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 22.6                            | 0.48               | -1.67              | 20.93     | 0.124   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 21.49                           | 0.48               | -1.67              | 19.82     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 21.49                           | 0.48               | -1.67              | 19.82     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 21.47                           | 0.48               | -1.67              | 19.80     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 21.45                           | 0.48               | -1.67              | 19.78     | 0.095   | 7.000     | Pass    |
|                             |              | 64-QAM    | RB1#0                 | 21.52                           | 0.48               | -1.67              | 19.85     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 21.69                           | 0.48               | -1.67              | 20.02     | 0.100   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 21.52                           | 0.48               | -1.67              | 19.85     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.49                           | 0.48               | -1.67              | 18.82     | 0.076   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.54                           | 0.48               | -1.67              | 18.87     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 20.52                           | 0.48               | -1.67              | 18.85     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 20.48                           | 0.48               | -1.67              | 18.81     | 0.076   | 7.000     | Pass    |
|                             | HCH          | QPSK      | RB1#0                 | 23.37                           | 0.48               | -1.67              | 21.70     | 0.148   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.5                            | 0.48               | -1.67              | 21.83     | 0.152   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.37                           | 0.48               | -1.67              | 21.70     | 0.148   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 22.44                           | 0.48               | -1.67              | 20.77     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 22.48                           | 0.48               | -1.67              | 20.81     | 0.121   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 22.42                           | 0.48               | -1.67              | 20.75     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 22.48                           | 0.48               | -1.67              | 20.81     | 0.121   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 22.52                           | 0.48               | -1.67              | 20.85     | 0.122   | 7.000     | Pass    |

| Test BW                     | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | Antenna Gain (dBd) | ERP (dBm) | ERP (W) | Limit (W) | Verdict |
|-----------------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| <b>LTE Band 26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             |              |           | RB1#7                 | 22.7                            | 0.48               | -1.67              | 21.03     | 0.127   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 22.55                           | 0.48               | -1.67              | 20.88     | 0.122   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 21.51                           | 0.48               | -1.67              | 19.84     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 21.54                           | 0.48               | -1.67              | 19.87     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 21.43                           | 0.48               | -1.67              | 19.76     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 21.45                           | 0.48               | -1.67              | 19.78     | 0.095   | 7.000     | Pass    |
|                             |              | 64-QAM    | RB1#0                 | 21.5                            | 0.48               | -1.67              | 19.83     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 21.6                            | 0.48               | -1.67              | 19.93     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 21.5                            | 0.48               | -1.67              | 19.83     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.55                           | 0.48               | -1.67              | 18.88     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.58                           | 0.48               | -1.67              | 18.91     | 0.078   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 20.52                           | 0.48               | -1.67              | 18.85     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 20.49                           | 0.48               | -1.67              | 18.82     | 0.076   | 7.000     | Pass    |
|                             |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz                       | LCH          | QPSK      | RB1#0                 | 23.3                            | 0.48               | -1.67              | 21.63     | 0.146   | 7.000     | Pass    |
|                             |              |           | RB1#13                | 23.59                           | 0.48               | -1.67              | 21.92     | 0.156   | 7.000     | Pass    |
|                             |              |           | RB1#24                | 23.34                           | 0.48               | -1.67              | 21.67     | 0.147   | 7.000     | Pass    |
|                             |              |           | RB12#0                | 22.46                           | 0.48               | -1.67              | 20.79     | 0.120   | 7.000     | Pass    |
|                             |              |           | RB12#6                | 22.5                            | 0.48               | -1.67              | 20.83     | 0.121   | 7.000     | Pass    |
|                             |              |           | RB12#13               | 22.43                           | 0.48               | -1.67              | 20.76     | 0.119   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 22.46                           | 0.48               | -1.67              | 20.79     | 0.120   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 22.46                           | 0.48               | -1.67              | 20.79     | 0.120   | 7.000     | Pass    |
|                             |              |           | RB1#13                | 22.63                           | 0.48               | -1.67              | 20.96     | 0.125   | 7.000     | Pass    |
|                             |              |           | RB1#24                | 22.46                           | 0.48               | -1.67              | 20.79     | 0.120   | 7.000     | Pass    |
|                             |              |           | RB12#0                | 21.42                           | 0.48               | -1.67              | 19.75     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB12#6                | 21.47                           | 0.48               | -1.67              | 19.80     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB12#13               | 21.42                           | 0.48               | -1.67              | 19.75     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.43                           | 0.48               | -1.67              | 19.76     | 0.095   | 7.000     | Pass    |
|                             |              | 64-QAM    | RB1#0                 | 21.41                           | 0.48               | -1.67              | 19.74     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB1#13                | 21.72                           | 0.48               | -1.67              | 20.05     | 0.101   | 7.000     | Pass    |
|                             |              |           | RB1#24                | 21.46                           | 0.48               | -1.67              | 19.79     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB12#0                | 20.52                           | 0.48               | -1.67              | 18.85     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB12#6                | 20.52                           | 0.48               | -1.67              | 18.85     | 0.077   | 7.000     | Pass    |
|                             |              |           | RB12#13               | 20.5                            | 0.48               | -1.67              | 18.83     | 0.076   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 20.5                            | 0.48               | -1.67              | 18.83     | 0.076   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.34                           | 0.48               | -1.67              | 21.67     | 0.147   | 7.000     | Pass    |
|                             |              |           | RB1#13                | 23.55                           | 0.48               | -1.67              | 21.88     | 0.154   | 7.000     | Pass    |
|                             |              |           | RB1#24                | 23.3                            | 0.48               | -1.67              | 21.63     | 0.146   | 7.000     | Pass    |
|                             |              |           | RB12#0                | 22.48                           | 0.48               | -1.67              | 20.81     | 0.121   | 7.000     | Pass    |