

# TEST REPORT

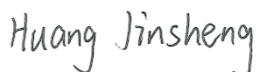
**Applicant:** MEIZU TECHNOLOGY CO., LTD.  
**Address:** MEIZU Tech Bldg, Technology & Innovation Coast,  
Zhuhai, 519085, Guangdong, China  
**Equipment Type:** Mobile Phone  
**Model Name:** M411H  
**Brand Name:** MEIZU  
**FCC ID:** 2ANQ6-M411H  
**Test Standard:** 47 CFR Part 2  
(Others refer to chapter 3.1)  
**Sample Arrival Date:** May 08, 2024  
**Test Date:** May 08, 2024 - Jun. 14, 2024  
**Date of Issue:** Jun. 19, 2024

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Huang Jinsheng**Checked by:** Wu Huihui**Approved by:** Tolan Tu

(Testing Director)



**Revision History**

| <u>Version</u> | <u>Issue Date</u>    | <u>Revisions</u>     |
|----------------|----------------------|----------------------|
| <u>Rev. 01</u> | <u>Jun. 19, 2024</u> | <u>Initial Issue</u> |

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# 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 checked="" type="checkbox"/> Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China                                                        |
|                           | <input 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 | MEIZU TECHNOLOGY CO., LTD.                                                       |
| Address   | MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China |

### 2.2 Manufacturer Information

|              |                                                                                  |
|--------------|----------------------------------------------------------------------------------|
| Manufacturer | MEIZU TECHNOLOGY CO., LTD.                                                       |
| Address      | MEIZU Tech Bldg, Technology & Innovation Coast, Zhuhai, 519085, Guangdong, China |

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

|                                           |                  |
|-------------------------------------------|------------------|
| EUT Name                                  | Mobile Phone     |
| Model Name Under Test                     | M411H            |
| Series Model Name                         | N/A              |
| Description of Model name differentiation | N/A              |
| Hardware Version                          | V1.0             |
| Software Version                          | Android 14       |
| Dimensions (Approx.)                      | 167.8*77.4*9.1mm |
| Weight (Approx.)                          | N/A              |

## 2.4 Technical Information

|                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All Network and Wireless connectivity for EUT                                                                                                                                                                                               | 2G Network GSM/GPRS/EDGE 850/1900 MHz<br>3G Network WCDMA/HSDPA/HSUPA Band 2/4/5<br>4G Network LTE FDD Band 2/4/5/7/12/17/26/66<br>LTE TDD Band 38/41<br>Bluetooth (BR+EDR+BLE)<br>2.4G WIFI 802.11b, 802.11g, 802.11n(HT20)<br>5G WIFI 802.11a, 802.11n(HT20/40) and 802.11ac(VHT20/40/80)<br>U-NII-1/2A/2C/3, GPS, GLONASS, Galileo, BDS, FM Receiver |
| About the Product                                                                                                                                                                                                                           | The equipment is Mobile Phone, intended for used with information technology equipment.                                                                                                                                                                                                                                                                 |
| Note 1:<br>The EUT is a mobile phone, 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>LTE FDD Band 2/4/5/7/12/17/26/66<br>LTE TDD Band 38/41                                                                                                                                                                                                                                                                                                  |               |
| Modulation Type | GSM/GPRS                                                                                                                                                                                                                                                                                                                                                                                                                | GMSK          |
|                 | EGPRS                                                                                                                                                                                                                                                                                                                                                                                                                   | 8PSK          |
|                 | WCDMA                                                                                                                                                                                                                                                                                                                                                                                                                   | QPSK          |
|                 | HSDPA                                                                                                                                                                                                                                                                                                                                                                                                                   | QPSK          |
|                 | /HSUPA                                                                                                                                                                                                                                                                                                                                                                                                                  | 16QAM         |
|                 | LTE                                                                                                                                                                                                                                                                                                                                                                                                                     | QPSK<br>16QAM |
| Multislot Class | GPRS/EGPRS: 12                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| Antenna Type    | LDS Antenna                                                                                                                                                                                                                                                                                                                                                                                                             |               |
| Antenna Gain    | GSM/GPRS/EGPRS 850: -1.28 dBi<br>GSM/GPRS/EGPRS 1900: 1.75 dBi<br>WCDMA/HSDPA/HSUPA Band 2: 1.75 dBi<br>WCDMA/HSDPA/HSUPA Band 4: 1.59 dBi<br>WCDMA/HSDPA/HSUPA Band 5: -1.28 dBi<br>FDD LTE Band 2: 1.75 dBi<br>FDD LTE Band 4: 1.52 dBi<br>FDD LTE Band 5: -1.28 dBi<br>FDD LTE Band 7: 1.44 dBi<br>FDD LTE Band 12: -1.8 dBi<br>FDD LTE Band 17: -1.8 dBi<br>FDD LTE Band 26: -1.28 dBi<br>FDD LTE Band 66: 1.59 dBi |               |

|                                    |             |      | TDD LTE Band 38: 1.44 dBi<br>TDD LTE Band 41: 1.44 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
|------------------------------------|-------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| The Max RF Output Power (EIRP/ERP) |             |      | GSM/GPRS/EGPRS 850: 30.21 dBm<br>GSM/GPRS/EGPRS 1900: 31.36 dBm<br>WCDMA/HSDPA/HSUPA Band 2: 24.00 dBm<br>WCDMA/HSDPA/HSUPA Band 4: 23.90 dBm<br>WCDMA/HSDPA/HSUPA Band 5: 20.41 dBm<br>FDD LTE Band 2: 25.53 dBm<br>FDD LTE Band 4: 25.34 dBm<br>FDD LTE Band 5: 20.63 dBm<br>FDD LTE Band 7: 24.40 dBm<br>FDD LTE Band 12: 19.88 dBm<br>FDD LTE Band 17: 19.90 dBm<br>FDD LTE Band 26 (part22): 20.60 dBm<br>FDD LTE Band 26 (part90): 20.52 dBm<br>FDD LTE Band 66: 25.30 dBm<br>TDD LTE Band 38: 25.09 dBm<br>TDD LTE Band 41: 25.17 dBm |                     |
| Band                               | Power Class |      | Tx Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Rx Frequency Range  |
|                                    | GMSK        | 8PSK |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |
| GSM 850                            | 4           | E2   | 824 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 869 MHz ~ 894 MHz   |
| GSM 1900                           | 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 B26                            | 3           |      | 814 MHz ~ 849 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 859 MHz ~ 894 MHz   |
| LTE B66                            | 3           |      | 1710 MHz ~ 1780 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2110 MHz ~ 2180 MHz |
| LTE B38                            | 3           |      | 2570 MHz ~ 2620 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2570 MHz ~ 2620 MHz |
| LTE B41                            | 3           |      | 2496 MHz ~ 2690 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2496 MHz ~ 2690 MHz |

Note 1: 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.

### 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   | WINNF-TS-0122<br>Version V1.0.2 | Test and Certification for Citizens Broadband Radio Service<br>(CBRS); Conformance and Performance Test Technical<br>Specification; CBSD/DP as Unit Under Test (UUT) |
| 7   | ANSI C63.26-2015                | American National Standard for Compliance Testing of<br>Transmitters Used in Licensed Radio Services                                                                 |
| 8   | 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<br>(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<br>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         |

## 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)     | 3.87V             |
|                             | LV (Low Voltage)        | 3.45V             |
|                             | HV (High Voltage)       | 4.45V             |
| 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>2/3/4G RF Test System</b>         |              |           |                        |          |            |            |
| BL410 Test Software                  | BALUN        | BL410R    | N/A                    | 3.0.536  | N/A        | N/A        |
| Temperature Chamber                  | AHK          | SP20      | 1412                   | N/A      | 2023.09.11 | 2024.09.10 |
| Universal Radio Communication Tester | R&S          | CMU 200   | 121487                 | V5.21    | 2023.12.05 | 2024.12.05 |
| Wideband Radio Communication Tester  | R&S          | CMW 500   | 167190                 | V4.0.60  | 2023.05.11 | 2024.05.10 |
|                                      |              |           |                        |          | 2024.05.08 | 2025.05.07 |
| Wideband Radio Communication Tester  | R&S          | CMW 500   | 102318                 | V3.2.71  | 2023.05.16 | 2024.05.15 |
|                                      |              |           |                        |          | 2024.05.09 | 2025.05.08 |
| Spectrum Analyzer                    | keysight     | N9020A    | MY50531628             | A.16.09  | 2023.05.12 | 2024.05.11 |
|                                      |              |           |                        |          | 2024.05.08 | 2025.05.07 |
| Spectrum Analyzer                    | R&S          | FSV40     | 101544                 | 2.30.SP4 | 2023.12.27 | 2024.12.26 |
| DC Power Supply                      | ITECH        | IT6863A   | 80001402075<br>7810006 | N/A      | 2023.08.16 | 2024.08.15 |
| <b>Radiated Test System</b>          |              |           |                        |          |            |            |
| Radiated Test System Test Software   | BALUN        | BL410-E   | N/A                    | V22.930  | N/A        | N/A        |
| Wideband Radio Communication Tester  | R&S          | CMW 500   | 167190                 | V4.0.60  | 2023.05.11 | 2024.05.10 |
|                                      |              |           |                        |          | 2024.05.08 | 2025.05.07 |
| Wideband Radio Communication Tester  | R&S          | CMW 500   | 102318                 | V3.2.71  | 2023.05.16 | 2024.05.15 |
|                                      |              |           |                        |          | 2024.05.09 | 2025.05.08 |
| Spectrum Analyzer                    | R&S          | FSV40     | 101544                 | 2.30.SP4 | 2023.12.27 | 2024.12.26 |
| Test Antenna-Bi-Log (30 MHz-3 GHz)   | Schwarzbeck  | VULB 9163 | 9163-624               | N/A      | 2021.08.20 | 2024.08.19 |

|                                  |             |             |            |         |            |            |
|----------------------------------|-------------|-------------|------------|---------|------------|------------|
| Test Antenna-Horn<br>(1-18 GHz)  | Schwarzbeck | BBHA 9120D  | 01917      | N/A     | 2022.06.09 | 2025.06.08 |
| Test Antenna-Horn<br>(18-40 GHz) | A-INFO      | LB-180400KF | J211060273 | N/A     | 2021.07.02 | 2024.07.01 |
| Anechoic Chamber                 | YIHENG      | 9m*6m*6m    | 144        | N/A     | 2022.02.09 | 2024.09.03 |
| EMI Receiver                     | Keysight    | N9038A      | MY53220118 | A.14.16 | 2023.09.05 | 2024.09.04 |

### 4.3 Test Configurations

| Test Items                                | Test Mode    | Test Channel |     |     |
|-------------------------------------------|--------------|--------------|-----|-----|
|                                           |              | LCH          | MCH | HCH |
| Effective (Isotropic)<br>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<br>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 | 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   |
| 4                                    | 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   |
| 7                                    | n               | n  | 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   |
| 17                                   | n               | n  | v  | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 26(Part22)                           | v               | v  | v  | v  | v  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 26(Part90)                           | v               | v  | v  | v  | -- | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 38                                   | n               | n  | 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   |
| 66                                   | 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   |
| 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   |
| 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   |
| 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   |
| Frequency Stability                  |                 |    |    |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                    | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 4                                    | --              | -- | -- | v  | -- | -- | v               | v      | --  | --   | v    | --           | v   | --  |
| 5                                    | --              | -- | -- | v  | n  | n  | v               | v      | --  | --   | v    | --           | v   | --  |

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

| LTE Band                                                                  | Bandwidth (MHz) |   |   |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|---------------------------------------------------------------------------|-----------------|---|---|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                                                           | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK            | 16-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| 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.          |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |

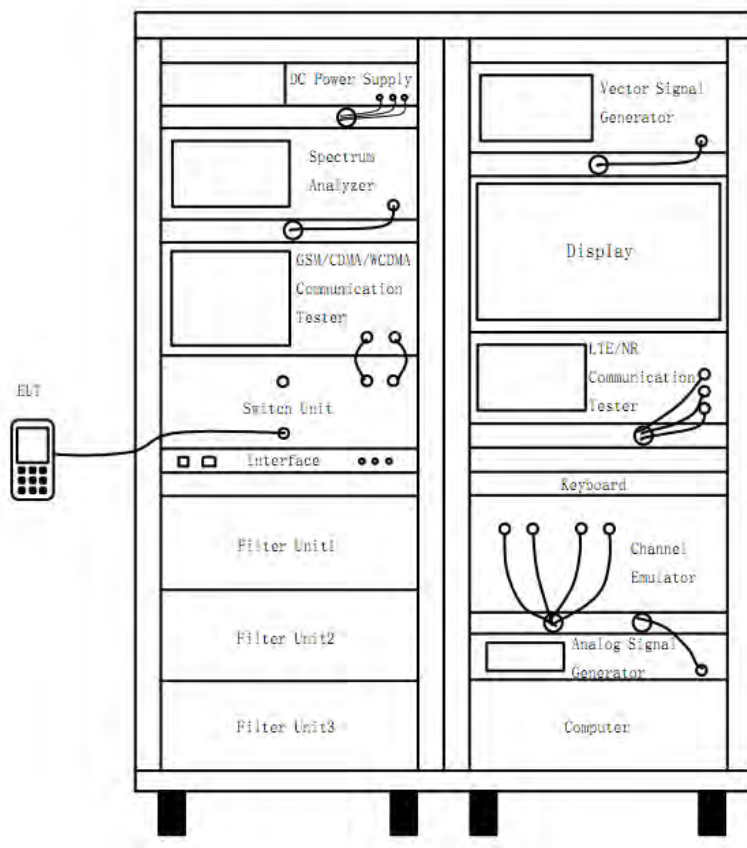
| Test Mode  | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|------------|--------------|-------------------------|----------------|--------------------|
| LTE Band 2 | Low Range    | 1.4                     | 18607          | 1850.7             |
|            |              | 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             |
|            |              | 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              |

| Test Mode               | UL Channel              | Channel Bandwidth<br>(MHz) | UL Channel No. | UL Frequency<br>(MHz) |
|-------------------------|-------------------------|----------------------------|----------------|-----------------------|
|                         |                         | 5                          | 20625          | 846.5                 |
|                         |                         | 10                         | 20600          | 844                   |
| LTE Band 7              | Low Range               | 5                          | 20775          | 2502.5                |
|                         |                         | 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 26<br>(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<br>(Part90) | Low Range                  | 1.4            | 26697                 |
| 3                       |                         |                            | 26705          | 815.5                 |
| 5                       |                         |                            | 26715          | 816.5                 |
| 10                      |                         |                            | ---            | ---                   |
| Middle Range            |                         | 1.4/3/5/10                 | 26740          | 819                   |

| Test Mode   | UL Channel   | Channel Bandwidth (MHz) | UL Channel No. | UL Frequency (MHz) |
|-------------|--------------|-------------------------|----------------|--------------------|
|             | 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               |
|             | 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               |

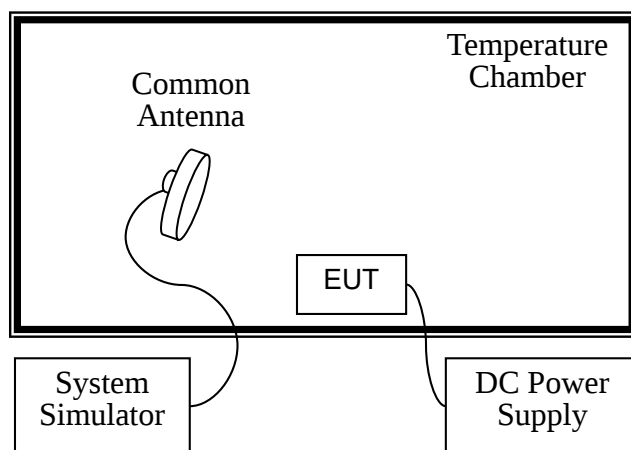
## 4.4 Test Setup

### 4.4.1 For Antenna Port Test



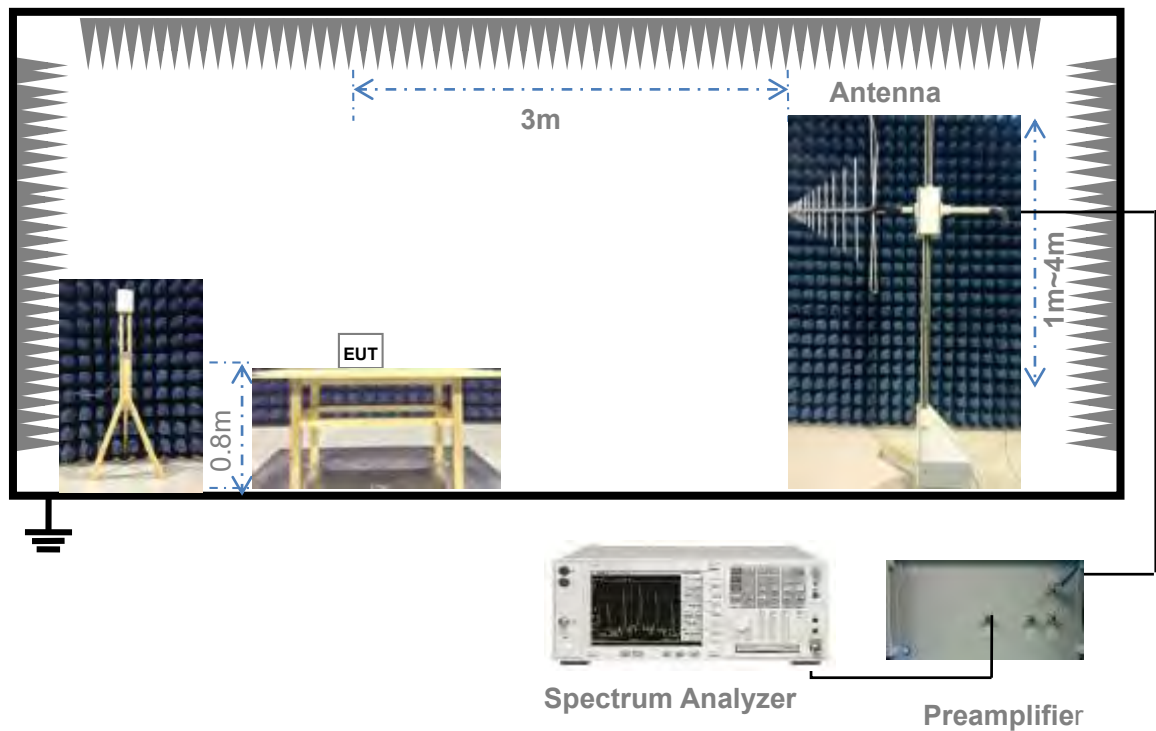
(Diagram 1)

### 4.4.2 For Frequency Stability Test



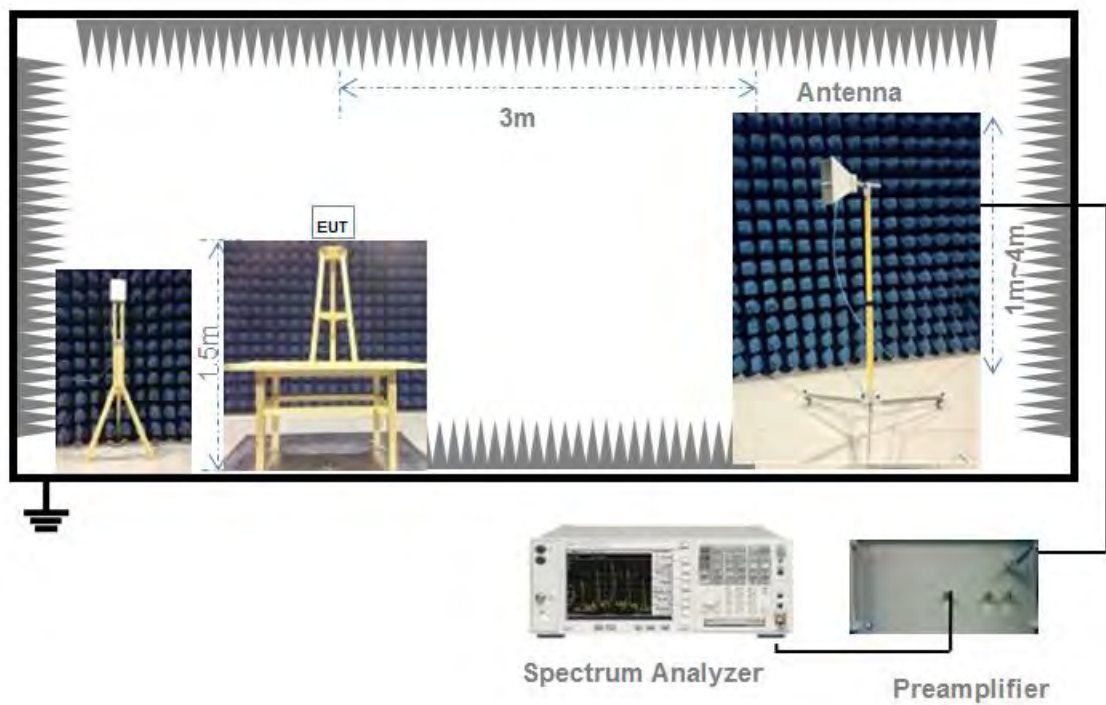
(Diagram 2)

#### 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) & 90.542(a)

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. 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).

According to FCC section 90.542(a) (7), portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

### 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 10log (OBW / 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 & 90.543

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.

#### FCC § 90.543

(e) For operations in the  $758$ – $768$  MHz and the  $788$ – $798$  MHz bands, 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 all frequencies between  $769$ – $775$  MHz and  $799$ – $805$  MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a  $6.25$  kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log(P)$  dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.

(f) For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics 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.

### 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 50Ω; 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(g) & 27.53(h) & 27.53(l) & 27.53(m) & 27.53(n) & 90.691 & 90.543

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(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.

#### FCC § 90.543

(e) For operations in the  $758$ – $768$  MHz and the  $788$ – $798$  MHz bands, 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 all frequencies between  $769$ – $775$  MHz and  $799$ – $805$  MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a  $6.25$  kHz band segment, for base and fixed stations.

(2) On all frequencies between  $769$ – $775$  MHz and  $799$ – $805$  MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a  $6.25$  kHz band segment, for mobile and portable stations.

(3) On any frequency between  $775$ – $788$  MHz, above  $805$  MHz, and below  $758$  MHz, by at least  $43 + 10 \log (P)$  dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.

### 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 & 90.543

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.

#### FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, 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 all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $76 + 10 \log (P)$  dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $65 + 10 \log (P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log (P)$  dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) 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.

(f) For operations in the 758–775 MHz and 788–805 MHz bands, all emissions including harmonics 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.

### 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          | 33.54                             | -1.28              | -3.43              | 30.11     | 1.026   | 7.00      | Pass    |
|           | MCH          | 33.61                             | -1.28              | -3.43              | 30.18     | 1.042   | 7.00      | Pass    |
|           | HCH          | 33.64                             | -1.28              | -3.43              | 30.21     | 1.050   | 7.00      | Pass    |
| GPRS 850  | LCH          | 33.59                             | -1.28              | -3.43              | 30.16     | 1.038   | 7.00      | Pass    |
|           | MCH          | 33.58                             | -1.28              | -3.43              | 30.15     | 1.035   | 7.00      | Pass    |
|           | HCH          | 33.52                             | -1.28              | -3.43              | 30.09     | 1.021   | 7.00      | Pass    |
| EGPRS 850 | LCH          | 29.25                             | -1.28              | -3.43              | 25.82     | 0.382   | 7.00      | Pass    |
|           | MCH          | 28.95                             | -1.28              | -3.43              | 25.52     | 0.356   | 7.00      | Pass    |
|           | HCH          | 28.64                             | -1.28              | -3.43              | 25.21     | 0.332   | 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          | 29.51                             | 1.75               | 31.26      | 1.337    | 2.00      | Pass    |
|            | MCH          | 29.60                             | 1.75               | 31.35      | 1.365    | 2.00      | Pass    |
|            | HCH          | 29.61                             | 1.75               | 31.36      | 1.368    | 2.00      | Pass    |
| GPRS 1900  | LCH          | 29.43                             | 1.75               | 31.18      | 1.312    | 2.00      | Pass    |
|            | MCH          | 29.50                             | 1.75               | 31.25      | 1.334    | 2.00      | Pass    |
|            | HCH          | 29.47                             | 1.75               | 31.22      | 1.324    | 2.00      | Pass    |
| EGPRS 1900 | LCH          | 29.19                             | 1.75               | 30.94      | 1.242    | 2.00      | Pass    |
|            | MCH          | 29.03                             | 1.75               | 30.78      | 1.197    | 2.00      | Pass    |
|            | HCH          | 28.69                             | 1.75               | 30.44      | 1.107    | 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     | 33.59                       | 2.29          | 31.03            | 1.27           | 28.99            | 0.79           | 26.91            | 0.49           |
|              | MCH     | 33.58                       | 2.28          | 31.12            | 1.29           | 29.09            | 0.81           | 26.97            | 0.50           |
|              | HCH     | 33.52                       | 2.25          | 31.17            | 1.31           | 29.10            | 0.81           | 27.02            | 0.50           |
| GPRS<br>1900 | LCH     | 29.43                       | 0.88          | 27.57            | 0.57           | 26.02            | 0.40           | 24.00            | 0.25           |
|              | MCH     | 29.50                       | 0.89          | 27.11            | 0.51           | 25.49            | 0.35           | 23.43            | 0.22           |
|              | HCH     | 29.47                       | 0.89          | 26.75            | 0.47           | 25.10            | 0.32           | 23.07            | 0.20           |

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     | 29.25                       | 0.84          | 27.91            | 0.62           | 25.83            | 0.38           | 23.63            | 0.23           |
|               | MCH     | 28.95                       | 0.79          | 27.84            | 0.61           | 25.81            | 0.38           | 23.67            | 0.23           |
|               | HCH     | 28.64                       | 0.73          | 27.47            | 0.56           | 25.67            | 0.37           | 23.28            | 0.21           |
| EGPRS<br>1900 | LCH     | 29.19                       | 0.83          | 27.31            | 0.54           | 25.09            | 0.32           | 23.14            | 0.21           |
|               | MCH     | 29.03                       | 0.80          | 27.24            | 0.53           | 24.85            | 0.31           | 22.87            | 0.19           |
|               | HCH     | 28.69                       | 0.74          | 27.68            | 0.59           | 24.81            | 0.30           | 22.89            | 0.19           |

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          | 22.00                           | 1.75               | 23.75      | 0.237    | 2.00      | Pass    |
|              | MCH          | 22.13                           | 1.75               | 23.88      | 0.244    | 2.00      | Pass    |
|              | HCH          | 22.25                           | 1.75               | 24.00      | 0.251    | 2.00      | Pass    |
| HSDPA Band 2 | LCH          | 21.81                           | 1.75               | 23.56      | 0.227    | 2.00      | Pass    |
|              | MCH          | 21.86                           | 1.75               | 23.61      | 0.230    | 2.00      | Pass    |
|              | HCH          | 21.54                           | 1.75               | 23.29      | 0.213    | 2.00      | Pass    |
| HSUPA Band 2 | LCH          | 21.77                           | 1.75               | 23.52      | 0.225    | 2.00      | Pass    |
|              | MCH          | 22.17                           | 1.75               | 23.92      | 0.247    | 2.00      | Pass    |
|              | HCH          | 21.84                           | 1.75               | 23.59      | 0.229    | 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          | 21.90                           | 1.59               | 23.49      | 0.223    | 1.00      | Pass    |
|              | MCH          | 21.96                           | 1.59               | 23.55      | 0.226    | 1.00      | Pass    |
|              | HCH          | 22.07                           | 1.59               | 23.66      | 0.232    | 1.00      | Pass    |
| HSDPA Band 4 | LCH          | 22.27                           | 1.59               | 23.86      | 0.243    | 1.00      | Pass    |
|              | MCH          | 21.68                           | 1.59               | 23.27      | 0.212    | 1.00      | Pass    |
|              | HCH          | 21.86                           | 1.59               | 23.45      | 0.221    | 1.00      | Pass    |
| HSUPA Band 4 | LCH          | 22.31                           | 1.59               | 23.90      | 0.245    | 1.00      | Pass    |
|              | MCH          | 21.97                           | 1.59               | 23.56      | 0.227    | 1.00      | Pass    |
|              | HCH          | 22.18                           | 1.59               | 23.77      | 0.238    | 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          | 23.68                           | -1.28              | -3.43              | 20.25     | 0.106   | 7.00      | Pass    |
|              | MCH          | 23.84                           | -1.28              | -3.43              | 20.41     | 0.110   | 7.00      | Pass    |
|              | HCH          | 23.77                           | -1.28              | -3.43              | 20.34     | 0.108   | 7.00      | Pass    |
| HSDPA Band 5 | LCH          | 22.36                           | -1.28              | -3.43              | 18.93     | 0.078   | 7.00      | Pass    |
|              | MCH          | 22.35                           | -1.28              | -3.43              | 18.92     | 0.078   | 7.00      | Pass    |
|              | HCH          | 22.03                           | -1.28              | -3.43              | 18.60     | 0.072   | 7.00      | Pass    |
| HSUPA Band 5 | LCH          | 22.46                           | -1.28              | -3.43              | 19.03     | 0.080   | 7.00      | Pass    |
|              | MCH          | 22.97                           | -1.28              | -3.43              | 19.54     | 0.090   | 7.00      | Pass    |
|              | HCH          | 22.68                           | -1.28              | -3.43              | 19.25     | 0.084   | 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 Band 2           | Subtest 1     | 21.81      | 21.86 | 21.54 | 0.152    | 0.153 | 0.143 |
|                        | Subtest 2     | 21.35      | 21.50 | 21.16 | 0.136    | 0.141 | 0.131 |
|                        | Subtest 3     | 20.51      | 20.76 | 20.52 | 0.112    | 0.119 | 0.113 |
|                        | Subtest 4     | 21.10      | 21.38 | 20.99 | 0.129    | 0.137 | 0.126 |
| HSDPA Band 4           | Subtest 1     | 22.27      | 21.68 | 21.83 | 0.169    | 0.147 | 0.152 |
|                        | Subtest 2     | 22.06      | 21.67 | 21.86 | 0.161    | 0.147 | 0.153 |
|                        | Subtest 3     | 22.03      | 21.63 | 21.82 | 0.160    | 0.146 | 0.152 |
|                        | Subtest 4     | 22.08      | 21.64 | 21.86 | 0.161    | 0.146 | 0.153 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSDPA Band 5           | Subtest 1     | 22.36      | 22.35 | 22.03 | 0.172    | 0.172 | 0.160 |
|                        | Subtest 2     | 21.78      | 22.04 | 21.82 | 0.151    | 0.160 | 0.152 |
|                        | Subtest 3     | 21.29      | 21.66 | 21.36 | 0.135    | 0.147 | 0.137 |
|                        | Subtest 4     | 21.15      | 21.54 | 21.26 | 0.130    | 0.143 | 0.134 |

HSUPA Conducted Output Power

| Conducted Output Power |               | EIRP (dBm) |       |       | EIRP (W) |       |       |
|------------------------|---------------|------------|-------|-------|----------|-------|-------|
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA<br>Band 2        | Subtest 1     | 19.33      | 19.66 | 19.54 | 0.086    | 0.092 | 0.090 |
|                        | Subtest 2     | 19.26      | 19.54 | 19.41 | 0.084    | 0.090 | 0.087 |
|                        | Subtest 3     | 19.72      | 20.00 | 19.87 | 0.094    | 0.100 | 0.097 |
|                        | Subtest 4     | 19.81      | 20.07 | 19.92 | 0.096    | 0.102 | 0.098 |
|                        | Subtest 5     | 21.77      | 22.17 | 21.84 | 0.150    | 0.165 | 0.153 |
| HSUPA<br>Band 4        | Subtest 1     | 21.76      | 21.42 | 21.63 | 0.150    | 0.139 | 0.146 |
|                        | Subtest 2     | 21.38      | 21.18 | 21.34 | 0.137    | 0.131 | 0.136 |
|                        | Subtest 3     | 21.76      | 21.45 | 21.65 | 0.150    | 0.140 | 0.146 |
|                        | Subtest 4     | 21.84      | 21.54 | 21.73 | 0.153    | 0.143 | 0.149 |
|                        | Subtest 5     | 22.31      | 21.97 | 22.18 | 0.170    | 0.157 | 0.165 |
| Conducted Output Power |               | ERP (dBm)  |       |       | ERP (W)  |       |       |
| Band                   | Configuration | LCH        | MCH   | HCH   | LCH      | MCH   | HCH   |
| HSUPA<br>Band 5        | Subtest 1     | 20.01      | 20.35 | 20.24 | 0.100    | 0.108 | 0.106 |
|                        | Subtest 2     | 20.53      | 20.86 | 20.67 | 0.113    | 0.122 | 0.117 |
|                        | Subtest 3     | 20.06      | 20.40 | 20.25 | 0.101    | 0.110 | 0.106 |
|                        | Subtest 4     | 19.79      | 20.31 | 20.02 | 0.095    | 0.107 | 0.100 |
|                        | Subtest 5     | 22.46      | 22.97 | 22.68 | 0.176    | 0.198 | 0.185 |

## 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                  | 23.3                            | 1.75               | 25.05      | 0.320    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 23.26                           | 1.75               | 25.01      | 0.317    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 23.3                            | 1.75               | 25.05      | 0.320    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 23.15                           | 1.75               | 24.90      | 0.309    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 23.17                           | 1.75               | 24.92      | 0.310    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 23.09                           | 1.75               | 24.84      | 0.305    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 22.31                           | 1.75               | 24.06      | 0.255    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 23.59                           | 1.75               | 25.34      | 0.342    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 23.57                           | 1.75               | 25.32      | 0.340    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.61                           | 1.75               | 24.36      | 0.273    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 22.59                           | 1.75               | 24.34      | 0.272    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 22.62                           | 1.75               | 24.37      | 0.274    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.78                           | 1.75               | 23.53      | 0.225    | 2.000     | Pass    |
|            | MCH          | QPSK      | RB1#0                  | 23.47                           | 1.75               | 25.22      | 0.333    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 23.5                            | 1.75               | 25.25      | 0.335    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 23.49                           | 1.75               | 25.24      | 0.334    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 23.54                           | 1.75               | 25.29      | 0.338    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 23.59                           | 1.75               | 25.34      | 0.342    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 22.51                           | 1.75               | 24.26      | 0.267    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 22.29                           | 1.75               | 24.04      | 0.254    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.27                           | 1.75               | 24.02      | 0.252    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 22.21                           | 1.75               | 23.96      | 0.249    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 22.5                            | 1.75               | 24.25      | 0.266    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 22.57                           | 1.75               | 24.32      | 0.270    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 22.52                           | 1.75               | 24.27      | 0.267    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 21.61                           | 1.75               | 23.36      | 0.217    | 2.000     | Pass    |
|            | HCH          | QPSK      | RB1#0                  | 23.53                           | 1.75               | 25.28      | 0.337    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 23.56                           | 1.75               | 25.31      | 0.340    | 2.000     | Pass    |
|            |              |           | RB1#5                  | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|            |              |           | RB3#0                  | 23.61                           | 1.75               | 25.36      | 0.344    | 2.000     | Pass    |
|            |              |           | RB3#2                  | 23.59                           | 1.75               | 25.34      | 0.342    | 2.000     | Pass    |
|            |              |           | RB3#3                  | 23.55                           | 1.75               | 25.30      | 0.339    | 2.000     | Pass    |
|            |              |           | RB6#0                  | 22.45                           | 1.75               | 24.20      | 0.263    | 2.000     | Pass    |
|            |              | 16-QAM    | RB1#0                  | 22.76                           | 1.75               | 24.51      | 0.282    | 2.000     | Pass    |
|            |              |           | RB1#3                  | 22.77                           | 1.75               | 24.52      | 0.283    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz             | LCH          | QPSK      | RB1#5                 | 22.73                           | 1.75               | 24.48      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB3#0                 | 22.69                           | 1.75               | 24.44      | 0.278    | 2.000     | Pass    |
|                   |              |           | RB3#2                 | 22.64                           | 1.75               | 24.39      | 0.275    | 2.000     | Pass    |
|                   |              |           | RB3#3                 | 22.59                           | 1.75               | 24.34      | 0.272    | 2.000     | Pass    |
|                   |              |           | RB6#0                 | 21.76                           | 1.75               | 23.51      | 0.224    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.41                           | 1.75               | 25.16      | 0.328    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 23.4                            | 1.75               | 25.15      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 23.44                           | 1.75               | 25.19      | 0.330    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 22.29                           | 1.75               | 24.04      | 0.254    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 22.33                           | 1.75               | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 22.28                           | 1.75               | 24.03      | 0.253    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.27                           | 1.75               | 25.02      | 0.318    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 23.26                           | 1.75               | 25.01      | 0.317    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 23.26                           | 1.75               | 25.01      | 0.317    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 21.57                           | 1.75               | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 21.56                           | 1.75               | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 21.52                           | 1.75               | 23.27      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 21.59                           | 1.75               | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.57                           | 1.75               | 25.32      | 0.340    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 23.5                            | 1.75               | 25.25      | 0.335    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 23.48                           | 1.75               | 25.23      | 0.333    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 22.55                           | 1.75               | 24.30      | 0.269    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 22.45                           | 1.75               | 24.20      | 0.263    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 22.55                           | 1.75               | 24.30      | 0.269    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.24                           | 1.75               | 23.99      | 0.251    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 22.22                           | 1.75               | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 22.27                           | 1.75               | 24.02      | 0.252    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 21.73                           | 1.75               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 21.69                           | 1.75               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB8#7                 | 21.73                           | 1.75               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 21.69                           | 1.75               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.51                           | 1.75               | 25.26      | 0.336    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 23.59                           | 1.75               | 25.34      | 0.342    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 22.53                           | 1.75               | 24.28      | 0.268    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 22.46                           | 1.75               | 24.21      | 0.264    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz             | LCH          | 16-QAM    | RB8#7                 | 22.43                           | 1.75               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 22.46                           | 1.75               | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB1#0                 | 22.68                           | 1.75               | 24.43      | 0.277    | 2.000     | Pass    |
|                   |              |           | RB1#7                 | 22.76                           | 1.75               | 24.51      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB1#14                | 22.73                           | 1.75               | 24.48      | 0.281    | 2.000     | Pass    |
|                   |              |           | RB8#0                 | 21.67                           | 1.75               | 23.42      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB8#4                 | 21.75                           | 1.75               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB8#7                 | 21.73                           | 1.75               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB15#0                | 21.66                           | 1.75               | 23.41      | 0.219    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.37                           | 1.75               | 25.12      | 0.325    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.38                           | 1.75               | 25.13      | 0.326    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.35                           | 1.75               | 25.10      | 0.324    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.48                           | 1.75               | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.46                           | 1.75               | 24.21      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   | MCH          | 16-QAM    | RB1#0                 | 22.12                           | 1.75               | 23.87      | 0.244    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.1                            | 1.75               | 23.85      | 0.243    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.06                           | 1.75               | 23.81      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.61                           | 1.75               | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.55                           | 1.75               | 23.30      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.52                           | 1.75               | 23.27      | 0.212    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.77                           | 1.75               | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.77                           | 1.75               | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.71                           | 1.75               | 25.46      | 0.352    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 23.68                           | 1.75               | 25.43      | 0.349    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.68                           | 1.75               | 25.43      | 0.349    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.51                           | 1.75               | 24.26      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.57                           | 1.75               | 24.32      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.53                           | 1.75               | 24.28      | 0.268    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.53                           | 1.75               | 24.28      | 0.268    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.53                           | 1.75               | 24.28      | 0.268    | 2.000     | Pass    |
|                   | HCH          | 16-QAM    | RB1#0                 | 22.89                           | 1.75               | 24.64      | 0.291    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.84                           | 1.75               | 24.59      | 0.288    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.97                           | 1.75               | 24.72      | 0.296    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.64                           | 1.75               | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.57                           | 1.75               | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.64                           | 1.75               | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.72                           | 1.75               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.72                           | 1.75               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.39                           | 1.75               | 25.14      | 0.327    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#13                | 23.36                           | 1.75               | 25.11      | 0.324    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 23.34                           | 1.75               | 25.09      | 0.323    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 22.48                           | 1.75               | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 22.43                           | 1.75               | 24.18      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 22.45                           | 1.75               | 24.20      | 0.263    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.42                           | 1.75               | 24.17      | 0.261    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.96                           | 1.75               | 24.71      | 0.296    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.9                            | 1.75               | 24.65      | 0.292    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.91                           | 1.75               | 24.66      | 0.292    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.56                           | 1.75               | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.6                            | 1.75               | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.69                           | 1.75               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.77                           | 1.75               | 23.52      | 0.225    | 2.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 23.31                           | 1.75               | 25.06      | 0.321    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.31                           | 1.75               | 25.06      | 0.321    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.4                            | 1.75               | 25.15      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.49                           | 1.75               | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.39                           | 1.75               | 24.14      | 0.259    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.45                           | 1.75               | 24.20      | 0.263    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.23                           | 1.75               | 24.98      | 0.315    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.23                           | 1.75               | 24.98      | 0.315    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.3                            | 1.75               | 25.05      | 0.320    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.61                           | 1.75               | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.57                           | 1.75               | 23.32      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.59                           | 1.75               | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.57                           | 1.75               | 23.32      | 0.215    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.45                           | 1.75               | 25.20      | 0.331    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.44                           | 1.75               | 25.19      | 0.330    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.46                           | 1.75               | 25.21      | 0.332    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.54                           | 1.75               | 24.29      | 0.269    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.41                           | 1.75               | 24.16      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.54                           | 1.75               | 24.29      | 0.269    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.59                           | 1.75               | 24.34      | 0.272    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.56                           | 1.75               | 25.31      | 0.340    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.48                           | 1.75               | 25.23      | 0.333    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.79                           | 1.75               | 23.54      | 0.226    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            | HCH          |           | RB25#13               | 21.78                           | 1.75               | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.78                           | 1.75               | 23.53      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.73                           | 1.75               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 23.51                           | 1.75               | 25.26      | 0.336    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 23.56                           | 1.75               | 25.31      | 0.340    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 22.62                           | 1.75               | 24.37      | 0.274    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 22.56                           | 1.75               | 24.31      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 22.41                           | 1.75               | 24.16      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.52                           | 1.75               | 24.27      | 0.267    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.92                           | 1.75               | 24.67      | 0.293    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.94                           | 1.75               | 24.69      | 0.294    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.86                           | 1.75               | 24.61      | 0.289    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.8                            | 1.75               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.75                           | 1.75               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.77                           | 1.75               | 23.52      | 0.225    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.59                           | 1.75               | 23.34      | 0.216    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 23.28                           | 1.75               | 25.03      | 0.318    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.41                           | 1.75               | 25.16      | 0.328    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.39                           | 1.75               | 25.14      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.36                           | 1.75               | 24.11      | 0.258    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.42                           | 1.75               | 24.17      | 0.261    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.47                           | 1.75               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.33                           | 1.75               | 24.08      | 0.256    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.33                           | 1.75               | 25.08      | 0.322    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.39                           | 1.75               | 25.14      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.4                            | 1.75               | 25.15      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.48                           | 1.75               | 23.23      | 0.210    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.56                           | 1.75               | 23.31      | 0.214    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.58                           | 1.75               | 23.33      | 0.215    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.47                           | 1.75               | 23.22      | 0.210    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.56                           | 1.75               | 25.31      | 0.340    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.51                           | 1.75               | 25.26      | 0.336    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.5                            | 1.75               | 25.25      | 0.335    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.48                           | 1.75               | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.47                           | 1.75               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.52                           | 1.75               | 24.27      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.56                           | 1.75               | 24.31      | 0.270    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB1#0                 | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.55                           | 1.75               | 25.30      | 0.339    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.52                           | 1.75               | 25.27      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.74                           | 1.75               | 23.49      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.73                           | 1.75               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.8                            | 1.75               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.66                           | 1.75               | 23.41      | 0.219    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.34                           | 1.75               | 25.09      | 0.323    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.42                           | 1.75               | 25.17      | 0.329    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.4                            | 1.75               | 25.15      | 0.327    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 22.49                           | 1.75               | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 22.48                           | 1.75               | 24.23      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 22.49                           | 1.75               | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.53                           | 1.75               | 25.28      | 0.337    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 23.67                           | 1.75               | 25.42      | 0.348    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 23.58                           | 1.75               | 25.33      | 0.341    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.59                           | 1.75               | 23.34      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.6                            | 1.75               | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.61                           | 1.75               | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.67                           | 1.75               | 23.42      | 0.220    | 2.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 23.61                           | 1.75               | 25.36      | 0.344    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.7                            | 1.75               | 25.45      | 0.351    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.61                           | 1.75               | 25.36      | 0.344    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.34                           | 1.75               | 24.09      | 0.256    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.4                            | 1.75               | 24.15      | 0.260    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.49                           | 1.75               | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.44                           | 1.75               | 24.19      | 0.262    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.75                           | 1.75               | 24.50      | 0.282    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.89                           | 1.75               | 24.64      | 0.291    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.83                           | 1.75               | 24.58      | 0.287    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.61                           | 1.75               | 23.36      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.72                           | 1.75               | 23.47      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.62                           | 1.75               | 23.37      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.63                           | 1.75               | 23.38      | 0.218    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.78                           | 1.75               | 25.53      | 0.357    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.77                           | 1.75               | 25.52      | 0.356    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.78                           | 1.75               | 25.53      | 0.357    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 2</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#0                | 22.61                           | 1.75               | 24.36      | 0.273    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.57                           | 1.75               | 24.32      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.53                           | 1.75               | 24.28      | 0.268    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.59                           | 1.75               | 24.34      | 0.272    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.47                           | 1.75               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.47                           | 1.75               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.47                           | 1.75               | 24.22      | 0.264    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.68                           | 1.75               | 23.43      | 0.220    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.71                           | 1.75               | 23.46      | 0.222    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.69                           | 1.75               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.65                           | 1.75               | 23.40      | 0.219    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.45                           | 1.75               | 25.20      | 0.331    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.49                           | 1.75               | 25.24      | 0.334    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.5                            | 1.75               | 25.25      | 0.335    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 22.49                           | 1.75               | 24.24      | 0.265    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 22.57                           | 1.75               | 24.32      | 0.270    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 22.52                           | 1.75               | 24.27      | 0.267    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 22.57                           | 1.75               | 24.32      | 0.270    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.95                           | 1.75               | 24.70      | 0.295    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 23.01                           | 1.75               | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 23.01                           | 1.75               | 24.76      | 0.299    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.64                           | 1.75               | 23.39      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.6                            | 1.75               | 23.35      | 0.216    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.62                           | 1.75               | 23.37      | 0.217    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.63                           | 1.75               | 23.38      | 0.218    | 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                  | 22.78                           | 1.52               | 24.30      | 0.269    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.76                           | 1.52               | 24.28      | 0.268    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.78                           | 1.52               | 24.30      | 0.269    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.85                           | 1.52               | 24.37      | 0.274    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.84                           | 1.52               | 24.36      | 0.273    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.87                           | 1.52               | 24.39      | 0.275    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.87                           | 1.52               | 23.39      | 0.218    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 23.56                           | 1.52               | 25.08      | 0.322    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 23.52                           | 1.52               | 25.04      | 0.319    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 23.58                           | 1.52               | 25.10      | 0.324    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.07                           | 1.52               | 23.59      | 0.229    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.02                           | 1.52               | 23.54      | 0.226    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.02                           | 1.52               | 23.54      | 0.226    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.08                           | 1.52               | 22.60      | 0.182    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                  | 22.9                            | 1.52               | 24.42      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.91                           | 1.52               | 24.43      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.91                           | 1.52               | 24.43      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.78                           | 1.52               | 24.30      | 0.269    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.84                           | 1.52               | 24.36      | 0.273    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.78                           | 1.52               | 24.30      | 0.269    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.76                           | 1.52               | 23.28      | 0.213    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.68                           | 1.52               | 24.20      | 0.263    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.62                           | 1.52               | 24.14      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.69                           | 1.52               | 24.21      | 0.264    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 21.77                           | 1.52               | 23.29      | 0.213    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 21.83                           | 1.52               | 23.35      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 21.88                           | 1.52               | 23.40      | 0.219    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 20.87                           | 1.52               | 22.39      | 0.173    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                  | 22.9                            | 1.52               | 24.42      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.88                           | 1.52               | 24.40      | 0.275    | 1.000     | Pass    |
|                   |              |           | RB1#5                  | 22.93                           | 1.52               | 24.45      | 0.279    | 1.000     | Pass    |
|                   |              |           | RB3#0                  | 22.8                            | 1.52               | 24.32      | 0.270    | 1.000     | Pass    |
|                   |              |           | RB3#2                  | 22.86                           | 1.52               | 24.38      | 0.274    | 1.000     | Pass    |
|                   |              |           | RB3#3                  | 22.79                           | 1.52               | 24.31      | 0.270    | 1.000     | Pass    |
|                   |              |           | RB6#0                  | 21.72                           | 1.52               | 23.24      | 0.211    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                  | 22.23                           | 1.52               | 23.75      | 0.237    | 1.000     | Pass    |
|                   |              |           | RB1#3                  | 22.25                           | 1.52               | 23.77      | 0.238    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz             | LCH          | QPSK      | RB1#5                 | 22.25                           | 1.52               | 23.77      | 0.238    | 1.000     | Pass    |
|                   |              |           | RB3#0                 | 21.9                            | 1.52               | 23.42      | 0.220    | 1.000     | Pass    |
|                   |              |           | RB3#2                 | 21.91                           | 1.52               | 23.43      | 0.220    | 1.000     | Pass    |
|                   |              |           | RB3#3                 | 21.91                           | 1.52               | 23.43      | 0.220    | 1.000     | Pass    |
|                   |              |           | RB6#0                 | 21.02                           | 1.52               | 22.54      | 0.179    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.72                           | 1.52               | 24.24      | 0.265    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.76                           | 1.52               | 24.28      | 0.268    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.65                           | 1.52               | 24.17      | 0.261    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB8#0                 | 21.86                           | 1.52               | 23.38      | 0.218    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.87                           | 1.52               | 23.39      | 0.218    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.73                           | 1.52               | 23.25      | 0.211    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.78                           | 1.52               | 23.30      | 0.214    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 23.32                           | 1.52               | 24.84      | 0.305    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 23.27                           | 1.52               | 24.79      | 0.301    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 23.15                           | 1.52               | 24.67      | 0.293    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB8#0                 | 20.93                           | 1.52               | 22.45      | 0.176    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 20.91                           | 1.52               | 22.43      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 20.88                           | 1.52               | 22.40      | 0.174    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.05                           | 1.52               | 22.57      | 0.181    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.86                           | 1.52               | 24.38      | 0.274    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.86                           | 1.52               | 24.38      | 0.274    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.89                           | 1.52               | 24.41      | 0.276    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB8#0                 | 21.65                           | 1.52               | 23.17      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.73                           | 1.52               | 23.25      | 0.211    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.69                           | 1.52               | 23.21      | 0.209    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.67                           | 1.52               | 23.19      | 0.208    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.65                           | 1.52               | 24.17      | 0.261    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.61                           | 1.52               | 24.13      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.63                           | 1.52               | 24.15      | 0.260    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB8#0                 | 21.06                           | 1.52               | 22.58      | 0.181    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.11                           | 1.52               | 22.63      | 0.183    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.11                           | 1.52               | 22.63      | 0.183    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 20.96                           | 1.52               | 22.48      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB1#0                 | 22.97                           | 1.52               | 24.49      | 0.281    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.96                           | 1.52               | 24.48      | 0.281    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.91                           | 1.52               | 24.43      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.74                           | 1.52               | 23.26      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.79                           | 1.52               | 23.31      | 0.214    | 1.000     | Pass    |
|                   |              |           |                       |                                 |                    |            |          |           |         |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB8#7                 | 21.75                           | 1.52               | 23.27      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 21.75                           | 1.52               | 23.27      | 0.212    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.25                           | 1.52               | 23.77      | 0.238    | 1.000     | Pass    |
|                   |              |           | RB1#7                 | 22.18                           | 1.52               | 23.70      | 0.234    | 1.000     | Pass    |
|                   |              |           | RB1#14                | 22.21                           | 1.52               | 23.73      | 0.236    | 1.000     | Pass    |
|                   |              |           | RB8#0                 | 21.17                           | 1.52               | 22.69      | 0.186    | 1.000     | Pass    |
|                   |              |           | RB8#4                 | 21.17                           | 1.52               | 22.69      | 0.186    | 1.000     | Pass    |
|                   |              |           | RB8#7                 | 21.07                           | 1.52               | 22.59      | 0.182    | 1.000     | Pass    |
|                   |              |           | RB15#0                | 20.82                           | 1.52               | 22.34      | 0.171    | 1.000     | Pass    |
| 5 MHz             | LCH          | QPSK      | RB1#0                 | 22.68                           | 1.52               | 24.20      | 0.263    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.65                           | 1.52               | 24.17      | 0.261    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.64                           | 1.52               | 24.16      | 0.261    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.84                           | 1.52               | 23.36      | 0.217    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.81                           | 1.52               | 23.33      | 0.215    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.7                            | 1.52               | 23.22      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.64                           | 1.52               | 23.16      | 0.207    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.31                           | 1.52               | 23.83      | 0.242    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.26                           | 1.52               | 23.78      | 0.239    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.16                           | 1.52               | 23.68      | 0.233    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 20.97                           | 1.52               | 22.49      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 20.83                           | 1.52               | 22.35      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 20.84                           | 1.52               | 22.36      | 0.172    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.97                           | 1.52               | 22.49      | 0.177    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.88                           | 1.52               | 24.40      | 0.275    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.96                           | 1.52               | 24.48      | 0.281    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.9                            | 1.52               | 24.42      | 0.277    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.74                           | 1.52               | 23.26      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.73                           | 1.52               | 23.25      | 0.211    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.82                           | 1.52               | 23.34      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.78                           | 1.52               | 23.30      | 0.214    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.66                           | 1.52               | 24.18      | 0.262    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.7                            | 1.52               | 24.22      | 0.264    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.71                           | 1.52               | 24.23      | 0.265    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 20.86                           | 1.52               | 22.38      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 20.95                           | 1.52               | 22.47      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 20.95                           | 1.52               | 22.47      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.96                           | 1.52               | 22.48      | 0.177    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.67                           | 1.52               | 24.19      | 0.262    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#13                | 22.63                           | 1.52               | 24.15      | 0.260    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.59                           | 1.52               | 24.11      | 0.258    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 21.83                           | 1.52               | 23.35      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 21.79                           | 1.52               | 23.31      | 0.214    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 21.82                           | 1.52               | 23.34      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.82                           | 1.52               | 23.34      | 0.216    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.87                           | 1.52               | 24.39      | 0.275    | 1.000     | Pass    |
|                   |              |           | RB1#13                | 22.72                           | 1.52               | 24.24      | 0.265    | 1.000     | Pass    |
|                   |              |           | RB1#24                | 22.68                           | 1.52               | 24.20      | 0.263    | 1.000     | Pass    |
|                   |              |           | RB12#0                | 20.96                           | 1.52               | 22.48      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB12#6                | 20.96                           | 1.52               | 22.48      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB12#13               | 20.9                            | 1.52               | 22.42      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.09                           | 1.52               | 22.61      | 0.182    | 1.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 22.82                           | 1.52               | 24.34      | 0.272    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.72                           | 1.52               | 24.24      | 0.265    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.78                           | 1.52               | 24.30      | 0.269    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.66                           | 1.52               | 23.18      | 0.208    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.72                           | 1.52               | 23.24      | 0.211    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.68                           | 1.52               | 23.20      | 0.209    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.76                           | 1.52               | 23.28      | 0.213    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.3                            | 1.52               | 24.82      | 0.303    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.2                            | 1.52               | 24.72      | 0.296    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 23.28                           | 1.52               | 24.80      | 0.302    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.78                           | 1.52               | 22.30      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 20.79                           | 1.52               | 22.31      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 20.81                           | 1.52               | 22.33      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.77                           | 1.52               | 22.29      | 0.169    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.6                            | 1.52               | 24.12      | 0.258    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.72                           | 1.52               | 24.24      | 0.265    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.69                           | 1.52               | 24.21      | 0.264    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.63                           | 1.52               | 23.15      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.83                           | 1.52               | 23.35      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.68                           | 1.52               | 23.20      | 0.209    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.76                           | 1.52               | 23.28      | 0.213    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.3                            | 1.52               | 24.82      | 0.303    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.41                           | 1.52               | 24.93      | 0.311    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 23.39                           | 1.52               | 24.91      | 0.310    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 20.98                           | 1.52               | 22.50      | 0.178    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz            | HCH          |           | RB25#13               | 20.99                           | 1.52               | 22.51      | 0.178    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.02                           | 1.52               | 22.54      | 0.179    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.97                           | 1.52               | 22.49      | 0.177    | 1.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 22.83                           | 1.52               | 24.35      | 0.272    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 22.84                           | 1.52               | 24.36      | 0.273    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 22.78                           | 1.52               | 24.30      | 0.269    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.74                           | 1.52               | 23.26      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.83                           | 1.52               | 23.35      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.73                           | 1.52               | 23.25      | 0.211    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.74                           | 1.52               | 23.26      | 0.212    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.5                            | 1.52               | 25.02      | 0.318    | 1.000     | Pass    |
|                   |              |           | RB1#25                | 23.52                           | 1.52               | 25.04      | 0.319    | 1.000     | Pass    |
|                   |              |           | RB1#49                | 23.42                           | 1.52               | 24.94      | 0.312    | 1.000     | Pass    |
|                   |              |           | RB25#0                | 21.17                           | 1.52               | 22.69      | 0.186    | 1.000     | Pass    |
|                   |              |           | RB25#13               | 21.2                            | 1.52               | 22.72      | 0.187    | 1.000     | Pass    |
|                   |              |           | RB25#25               | 21.11                           | 1.52               | 22.63      | 0.183    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.03                           | 1.52               | 22.55      | 0.180    | 1.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.82                           | 1.52               | 24.34      | 0.272    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.73                           | 1.52               | 24.25      | 0.266    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.61                           | 1.52               | 24.13      | 0.259    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.64                           | 1.52               | 23.16      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.71                           | 1.52               | 23.23      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.75                           | 1.52               | 23.27      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.71                           | 1.52               | 23.23      | 0.210    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.26                           | 1.52               | 24.78      | 0.301    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 23.23                           | 1.52               | 24.75      | 0.299    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 23.15                           | 1.52               | 24.67      | 0.293    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 20.78                           | 1.52               | 22.30      | 0.170    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 20.88                           | 1.52               | 22.40      | 0.174    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 20.82                           | 1.52               | 22.34      | 0.171    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 20.98                           | 1.52               | 22.50      | 0.178    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.57                           | 1.52               | 24.09      | 0.256    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.67                           | 1.52               | 24.19      | 0.262    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.7                            | 1.52               | 24.22      | 0.264    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.67                           | 1.52               | 23.19      | 0.208    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.76                           | 1.52               | 23.28      | 0.213    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.83                           | 1.52               | 23.35      | 0.216    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.68                           | 1.52               | 23.20      | 0.209    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              | 16-QAM    | RB1#0                 | 23.27                           | 1.52               | 24.79      | 0.301    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 23.38                           | 1.52               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 23.38                           | 1.52               | 24.90      | 0.309    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 20.92                           | 1.52               | 22.44      | 0.175    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.02                           | 1.52               | 22.54      | 0.179    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.03                           | 1.52               | 22.55      | 0.180    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 20.92                           | 1.52               | 22.44      | 0.175    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.64                           | 1.52               | 24.16      | 0.261    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 22.74                           | 1.52               | 24.26      | 0.267    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 22.68                           | 1.52               | 24.20      | 0.263    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 21.75                           | 1.52               | 23.27      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 21.75                           | 1.52               | 23.27      | 0.212    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 21.81                           | 1.52               | 23.33      | 0.215    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 21.78                           | 1.52               | 23.30      | 0.214    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.74                           | 1.52               | 25.26      | 0.336    | 1.000     | Pass    |
|                   |              |           | RB1#38                | 23.82                           | 1.52               | 25.34      | 0.342    | 1.000     | Pass    |
|                   |              |           | RB1#74                | 23.73                           | 1.52               | 25.25      | 0.335    | 1.000     | Pass    |
|                   |              |           | RB36#0                | 20.98                           | 1.52               | 22.50      | 0.178    | 1.000     | Pass    |
|                   |              |           | RB36#19               | 20.99                           | 1.52               | 22.51      | 0.178    | 1.000     | Pass    |
|                   |              |           | RB36#39               | 20.98                           | 1.52               | 22.50      | 0.178    | 1.000     | Pass    |
|                   |              |           | RB75#0                | 20.92                           | 1.52               | 22.44      | 0.175    | 1.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 22.82                           | 1.52               | 24.34      | 0.272    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.81                           | 1.52               | 24.33      | 0.271    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.7                            | 1.52               | 24.22      | 0.264    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.64                           | 1.52               | 23.16      | 0.207    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.71                           | 1.52               | 23.23      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.58                           | 1.52               | 23.10      | 0.204    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.73                           | 1.52               | 23.25      | 0.211    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.29                           | 1.52               | 23.81      | 0.240    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.24                           | 1.52               | 23.76      | 0.238    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.17                           | 1.52               | 23.69      | 0.234    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.88                           | 1.52               | 22.40      | 0.174    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 20.98                           | 1.52               | 22.50      | 0.178    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 20.86                           | 1.52               | 22.38      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 20.97                           | 1.52               | 22.49      | 0.177    | 1.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.88                           | 1.52               | 24.40      | 0.275    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.98                           | 1.52               | 24.50      | 0.282    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.96                           | 1.52               | 24.48      | 0.281    | 1.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 4</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#0                | 21.69                           | 1.52               | 23.21      | 0.209    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.71                           | 1.52               | 23.23      | 0.210    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.84                           | 1.52               | 23.36      | 0.217    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.67                           | 1.52               | 23.19      | 0.208    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.68                           | 1.52               | 24.20      | 0.263    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.76                           | 1.52               | 24.28      | 0.268    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.71                           | 1.52               | 24.23      | 0.265    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.87                           | 1.52               | 22.39      | 0.173    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 20.94                           | 1.52               | 22.46      | 0.176    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.01                           | 1.52               | 22.53      | 0.179    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 20.95                           | 1.52               | 22.47      | 0.177    | 1.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.79                           | 1.52               | 24.31      | 0.270    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 22.84                           | 1.52               | 24.36      | 0.273    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 22.8                            | 1.52               | 24.32      | 0.270    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 21.66                           | 1.52               | 23.18      | 0.208    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.79                           | 1.52               | 23.31      | 0.214    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 21.72                           | 1.52               | 23.24      | 0.211    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21.85                           | 1.52               | 23.37      | 0.217    | 1.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.02                           | 1.52               | 24.54      | 0.284    | 1.000     | Pass    |
|                   |              |           | RB1#50                | 23.07                           | 1.52               | 24.59      | 0.288    | 1.000     | Pass    |
|                   |              |           | RB1#99                | 23.02                           | 1.52               | 24.54      | 0.284    | 1.000     | Pass    |
|                   |              |           | RB50#0                | 20.94                           | 1.52               | 22.46      | 0.176    | 1.000     | Pass    |
|                   |              |           | RB50#25               | 21.04                           | 1.52               | 22.56      | 0.180    | 1.000     | Pass    |
|                   |              |           | RB50#50               | 20.97                           | 1.52               | 22.49      | 0.177    | 1.000     | Pass    |
|                   |              |           | RB100#0               | 21                              | 1.52               | 22.52      | 0.179    | 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                 | 23.22                           | -1.28              | -3.43              | 19.79     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.24                           | -1.28              | -3.43              | 19.81     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.2                            | -1.28              | -3.43              | 19.77     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.27                           | -1.28              | -3.43              | 19.84     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.33                           | -1.28              | -3.43              | 18.90     | 0.078   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 24.01                           | -1.28              | -3.43              | 20.58     | 0.114   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 24.06                           | -1.28              | -3.43              | 20.63     | 0.116   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 24.05                           | -1.28              | -3.43              | 20.62     | 0.115   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 22.61                           | -1.28              | -3.43              | 19.18     | 0.083   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 22.59                           | -1.28              | -3.43              | 19.16     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 22.53                           | -1.28              | -3.43              | 19.10     | 0.081   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 21.63                           | -1.28              | -3.43              | 18.20     | 0.066   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.39                           | -1.28              | -3.43              | 19.96     | 0.099   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.4                            | -1.28              | -3.43              | 19.97     | 0.099   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.41                           | -1.28              | -3.43              | 19.98     | 0.100   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.4                            | -1.28              | -3.43              | 19.97     | 0.099   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.4                            | -1.28              | -3.43              | 19.97     | 0.099   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.33                           | -1.28              | -3.43              | 18.90     | 0.078   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.15                           | -1.28              | -3.43              | 19.72     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.11                           | -1.28              | -3.43              | 19.68     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.18                           | -1.28              | -3.43              | 19.75     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 22.46                           | -1.28              | -3.43              | 19.03     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 22.46                           | -1.28              | -3.43              | 19.03     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 22.48                           | -1.28              | -3.43              | 19.05     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 21.37                           | -1.28              | -3.43              | 17.94     | 0.062   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB1#5                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 23.3                            | -1.28              | -3.43              | 19.87     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 22.26                           | -1.28              | -3.43              | 18.83     | 0.076   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.14                           | -1.28              | -3.43              | 19.71     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#3                 | 23.14                           | -1.28              | -3.43              | 19.71     | 0.094   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz             |              |           | RB1#5                 | 23.05                           | -1.28              | -3.43              | 19.62     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB3#0                 | 22.32                           | -1.28              | -3.43              | 18.89     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB3#2                 | 22.27                           | -1.28              | -3.43              | 18.84     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB3#3                 | 22.24                           | -1.28              | -3.43              | 18.81     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB6#0                 | 21.4                            | -1.28              | -3.43              | 17.97     | 0.063   | 7.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 23.26                           | -1.28              | -3.43              | 19.83     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.24                           | -1.28              | -3.43              | 19.81     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.14                           | -1.28              | -3.43              | 19.71     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.24                           | -1.28              | -3.43              | 18.81     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.23                           | -1.28              | -3.43              | 18.80     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.16                           | -1.28              | -3.43              | 18.73     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.34                           | -1.28              | -3.43              | 18.91     | 0.078   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.49                           | -1.28              | -3.43              | 20.06     | 0.101   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.49                           | -1.28              | -3.43              | 20.06     | 0.101   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.44                           | -1.28              | -3.43              | 20.01     | 0.100   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 21.39                           | -1.28              | -3.43              | 17.96     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 21.37                           | -1.28              | -3.43              | 17.94     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 21.31                           | -1.28              | -3.43              | 17.88     | 0.061   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 21.5                            | -1.28              | -3.43              | 18.07     | 0.064   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.41                           | -1.28              | -3.43              | 19.98     | 0.100   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.41                           | -1.28              | -3.43              | 19.98     | 0.100   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.41                           | -1.28              | -3.43              | 19.98     | 0.100   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.31                           | -1.28              | -3.43              | 18.88     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.39                           | -1.28              | -3.43              | 18.96     | 0.079   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 22.36                           | -1.28              | -3.43              | 18.93     | 0.078   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.34                           | -1.28              | -3.43              | 18.91     | 0.078   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.17                           | -1.28              | -3.43              | 19.74     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.16                           | -1.28              | -3.43              | 19.73     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.15                           | -1.28              | -3.43              | 19.72     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 21.49                           | -1.28              | -3.43              | 18.06     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 21.58                           | -1.28              | -3.43              | 18.15     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 21.56                           | -1.28              | -3.43              | 18.13     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 21.51                           | -1.28              | -3.43              | 18.08     | 0.064   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.34                           | -1.28              | -3.43              | 19.91     | 0.098   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.23                           | -1.28              | -3.43              | 19.80     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 22.19                           | -1.28              | -3.43              | 18.76     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 22.27                           | -1.28              | -3.43              | 18.84     | 0.077   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz             | LCH          |           | RB8#7                 | 22.23                           | -1.28              | -3.43              | 18.80     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 22.21                           | -1.28              | -3.43              | 18.78     | 0.076   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.11                           | -1.28              | -3.43              | 19.68     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB1#7                 | 23.12                           | -1.28              | -3.43              | 19.69     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB1#14                | 23.13                           | -1.28              | -3.43              | 19.70     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB8#0                 | 21.46                           | -1.28              | -3.43              | 18.03     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB8#4                 | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB8#7                 | 21.46                           | -1.28              | -3.43              | 18.03     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB15#0                | 21.26                           | -1.28              | -3.43              | 17.83     | 0.061   | 7.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.22                           | -1.28              | -3.43              | 19.79     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.23                           | -1.28              | -3.43              | 19.80     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.3                            | -1.28              | -3.43              | 18.87     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.27                           | -1.28              | -3.43              | 18.84     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.2                            | -1.28              | -3.43              | 18.77     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.24                           | -1.28              | -3.43              | 18.81     | 0.076   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.56                           | -1.28              | -3.43              | 19.13     | 0.082   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 22.48                           | -1.28              | -3.43              | 19.05     | 0.080   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 22.64                           | -1.28              | -3.43              | 19.21     | 0.083   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.47                           | -1.28              | -3.43              | 18.04     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.33                           | -1.28              | -3.43              | 17.90     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.34                           | -1.28              | -3.43              | 17.91     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.58                           | -1.28              | -3.43              | 18.15     | 0.065   | 7.000     | Pass    |
| 5 MHz             | MCH          | QPSK      | RB1#0                 | 23.55                           | -1.28              | -3.43              | 20.12     | 0.103   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.5                            | -1.28              | -3.43              | 20.07     | 0.102   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.5                            | -1.28              | -3.43              | 20.07     | 0.102   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.42                           | -1.28              | -3.43              | 18.99     | 0.079   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.32                           | -1.28              | -3.43              | 18.89     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.37                           | -1.28              | -3.43              | 18.94     | 0.078   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.33                           | -1.28              | -3.43              | 18.90     | 0.078   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.16                           | -1.28              | -3.43              | 19.73     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.17                           | -1.28              | -3.43              | 19.74     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.17                           | -1.28              | -3.43              | 19.74     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.45                           | -1.28              | -3.43              | 18.02     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.43                           | -1.28              | -3.43              | 18.00     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.46                           | -1.28              | -3.43              | 18.03     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.53                           | -1.28              | -3.43              | 18.10     | 0.065   | 7.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 23.09                           | -1.28              | -3.43              | 19.66     | 0.092   | 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#13                | 23.11                           | -1.28              | -3.43              | 19.68     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.07                           | -1.28              | -3.43              | 19.64     | 0.092   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 22.27                           | -1.28              | -3.43              | 18.84     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 22.19                           | -1.28              | -3.43              | 18.76     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 22.26                           | -1.28              | -3.43              | 18.83     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.24                           | -1.28              | -3.43              | 18.81     | 0.076   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.23                           | -1.28              | -3.43              | 19.80     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#13                | 23.2                            | -1.28              | -3.43              | 19.77     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#24                | 23.13                           | -1.28              | -3.43              | 19.70     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB12#0                | 21.29                           | -1.28              | -3.43              | 17.86     | 0.061   | 7.000     | Pass    |
|                   |              |           | RB12#6                | 21.36                           | -1.28              | -3.43              | 17.93     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB12#13               | 21.31                           | -1.28              | -3.43              | 17.88     | 0.061   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
| 10 MHz            | LCH          | QPSK      | RB1#0                 | 23.2                            | -1.28              | -3.43              | 19.77     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.16                           | -1.28              | -3.43              | 19.73     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.25                           | -1.28              | -3.43              | 19.82     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.17                           | -1.28              | -3.43              | 18.74     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.24                           | -1.28              | -3.43              | 18.81     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.23                           | -1.28              | -3.43              | 18.80     | 0.076   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.3                            | -1.28              | -3.43              | 18.87     | 0.077   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.56                           | -1.28              | -3.43              | 20.13     | 0.103   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.55                           | -1.28              | -3.43              | 20.12     | 0.103   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.53                           | -1.28              | -3.43              | 20.10     | 0.102   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.34                           | -1.28              | -3.43              | 17.91     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.38                           | -1.28              | -3.43              | 17.95     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.48                           | -1.28              | -3.43              | 18.05     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 23.19                           | -1.28              | -3.43              | 19.76     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.26                           | -1.28              | -3.43              | 19.83     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.11                           | -1.28              | -3.43              | 19.68     | 0.093   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.37                           | -1.28              | -3.43              | 18.94     | 0.078   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.42                           | -1.28              | -3.43              | 18.99     | 0.079   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.29                           | -1.28              | -3.43              | 18.86     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.34                           | -1.28              | -3.43              | 18.91     | 0.078   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.74                           | -1.28              | -3.43              | 20.31     | 0.107   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.76                           | -1.28              | -3.43              | 20.33     | 0.108   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.53                           | -1.28              | -3.43              | 20.10     | 0.102   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.54                           | -1.28              | -3.43              | 18.11     | 0.065   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                   | HCH          |           | RB25#13               | 21.55                           | -1.28              | -3.43              | 18.12     | 0.065   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.42                           | -1.28              | -3.43              | 17.99     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.5                            | -1.28              | -3.43              | 18.07     | 0.064   | 7.000     | Pass    |
|                   |              | QPSK      | RB1#0                 | 23.25                           | -1.28              | -3.43              | 19.82     | 0.096   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 23.15                           | -1.28              | -3.43              | 19.72     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.18                           | -1.28              | -3.43              | 19.75     | 0.094   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 22.27                           | -1.28              | -3.43              | 18.84     | 0.077   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 22.18                           | -1.28              | -3.43              | 18.75     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 22.18                           | -1.28              | -3.43              | 18.75     | 0.075   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 22.2                            | -1.28              | -3.43              | 18.77     | 0.075   | 7.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 23.2                            | -1.28              | -3.43              | 19.77     | 0.095   | 7.000     | Pass    |
|                   |              |           | RB1#25                | 22.99                           | -1.28              | -3.43              | 19.56     | 0.090   | 7.000     | Pass    |
|                   |              |           | RB1#49                | 23.04                           | -1.28              | -3.43              | 19.61     | 0.091   | 7.000     | Pass    |
|                   |              |           | RB25#0                | 21.5                            | -1.28              | -3.43              | 18.07     | 0.064   | 7.000     | Pass    |
|                   |              |           | RB25#13               | 21.36                           | -1.28              | -3.43              | 17.93     | 0.062   | 7.000     | Pass    |
|                   |              |           | RB25#25               | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                   |              |           | RB50#0                | 21.36                           | -1.28              | -3.43              | 17.93     | 0.062   | 7.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | 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                 | 22.24                           | 1.44               | 23.68      | 0.233    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.27                           | 1.44               | 23.71      | 0.235    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.2                            | 1.44               | 23.64      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.36                           | 1.44               | 22.80      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.42                           | 1.44               | 22.86      | 0.193    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.37                           | 1.44               | 22.81      | 0.191    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.31                           | 1.44               | 22.75      | 0.188    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.49                           | 1.44               | 22.93      | 0.196    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 21.55                           | 1.44               | 22.99      | 0.199    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 21.5                            | 1.44               | 22.94      | 0.197    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 20.44                           | 1.44               | 21.88      | 0.154    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 20.4                            | 1.44               | 21.84      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 20.33                           | 1.44               | 21.77      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.59                           | 1.44               | 22.03      | 0.160    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.21                           | 1.44               | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.18                           | 1.44               | 23.62      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.24                           | 1.44               | 23.68      | 0.233    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.18                           | 1.44               | 22.62      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.17                           | 1.44               | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.64                           | 1.44               | 23.08      | 0.203    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 21.68                           | 1.44               | 23.12      | 0.205    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 21.73                           | 1.44               | 23.17      | 0.207    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 20.31                           | 1.44               | 21.75      | 0.150    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 20.34                           | 1.44               | 21.78      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 20.39                           | 1.44               | 21.83      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.44                           | 1.44               | 21.88      | 0.154    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.53                           | 1.44               | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 22.5                            | 1.44               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#24                | 22.5                            | 1.44               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 21.53                           | 1.44               | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 21.57                           | 1.44               | 23.01      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 21.52                           | 1.44               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.54                           | 1.44               | 22.98      | 0.199    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.94                           | 1.44               | 23.38      | 0.218    | 2.000     | Pass    |
|                   |              |           | RB1#13                | 21.92                           | 1.44               | 23.36      | 0.217    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz            |              |           | RB1#24                | 21.96                           | 1.44               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB12#0                | 20.62                           | 1.44               | 22.06      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB12#6                | 20.62                           | 1.44               | 22.06      | 0.161    | 2.000     | Pass    |
|                   |              |           | RB12#13               | 20.57                           | 1.44               | 22.01      | 0.159    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.6                            | 1.44               | 22.04      | 0.160    | 2.000     | Pass    |
|                   | LCH          | QPSK      | RB1#0                 | 22.21                           | 1.44               | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.19                           | 1.44               | 23.63      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.21                           | 1.44               | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.19                           | 1.44               | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.17                           | 1.44               | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.17                           | 1.44               | 22.61      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.26                           | 1.44               | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.49                           | 1.44               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.49                           | 1.44               | 23.93      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.53                           | 1.44               | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.37                           | 1.44               | 21.81      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 20.39                           | 1.44               | 21.83      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 20.4                            | 1.44               | 21.84      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.48                           | 1.44               | 21.92      | 0.156    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.22                           | 1.44               | 23.66      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.24                           | 1.44               | 23.68      | 0.233    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.17                           | 1.44               | 23.61      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.12                           | 1.44               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.09                           | 1.44               | 22.53      | 0.179    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 21.16                           | 1.44               | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.11                           | 1.44               | 22.55      | 0.180    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.96                           | 1.44               | 23.40      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.01                           | 1.44               | 23.45      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22                              | 1.44               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.37                           | 1.44               | 21.81      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 20.37                           | 1.44               | 21.81      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 20.4                            | 1.44               | 21.84      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.31                           | 1.44               | 21.75      | 0.150    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.47                           | 1.44               | 23.91      | 0.246    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.45                           | 1.44               | 23.89      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.5                            | 1.44               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 21.52                           | 1.44               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 21.51                           | 1.44               | 22.95      | 0.197    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB25#25               | 21.53                           | 1.44               | 22.97      | 0.198    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.52                           | 1.44               | 22.96      | 0.198    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.21                           | 1.44               | 23.65      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB1#25                | 22.18                           | 1.44               | 23.62      | 0.230    | 2.000     | Pass    |
|                   |              |           | RB1#49                | 22.22                           | 1.44               | 23.66      | 0.232    | 2.000     | Pass    |
|                   |              |           | RB25#0                | 20.67                           | 1.44               | 22.11      | 0.163    | 2.000     | Pass    |
|                   |              |           | RB25#13               | 20.71                           | 1.44               | 22.15      | 0.164    | 2.000     | Pass    |
|                   |              |           | RB25#25               | 20.66                           | 1.44               | 22.10      | 0.162    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.66                           | 1.44               | 22.10      | 0.162    | 2.000     | Pass    |
| 15 MHz            | LCH          | QPSK      | RB1#0                 | 22.14                           | 1.44               | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.26                           | 1.44               | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.23                           | 1.44               | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.46                           | 1.44               | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.5                            | 1.44               | 23.94      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.46                           | 1.44               | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 20.34                           | 1.44               | 21.78      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 20.42                           | 1.44               | 21.86      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 20.3                            | 1.44               | 21.74      | 0.149    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 20.35                           | 1.44               | 21.79      | 0.151    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.14                           | 1.44               | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.2                            | 1.44               | 23.64      | 0.231    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.28                           | 1.44               | 23.72      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.12                           | 1.44               | 22.56      | 0.180    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.24                           | 1.44               | 22.68      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.15                           | 1.44               | 22.59      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.1                            | 1.44               | 22.54      | 0.179    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.04                           | 1.44               | 23.48      | 0.223    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.06                           | 1.44               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.14                           | 1.44               | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 20.37                           | 1.44               | 21.81      | 0.152    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 20.4                            | 1.44               | 21.84      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 20.4                            | 1.44               | 21.84      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 20.36                           | 1.44               | 21.80      | 0.151    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.39                           | 1.44               | 23.83      | 0.242    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB1#38                | 22.51                           | 1.44               | 23.95      | 0.248    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.48                           | 1.44               | 23.92      | 0.247    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 21.34                           | 1.44               | 22.78      | 0.190    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 21.43                           | 1.44               | 22.87      | 0.194    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 21.34                           | 1.44               | 22.78      | 0.190    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 21.39                           | 1.44               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.86                           | 1.44               | 24.30      | 0.269    | 2.000     | Pass    |
|                   |              |           | RB1#38                | 22.96                           | 1.44               | 24.40      | 0.275    | 2.000     | Pass    |
|                   |              |           | RB1#74                | 22.95                           | 1.44               | 24.39      | 0.275    | 2.000     | Pass    |
|                   |              |           | RB36#0                | 20.48                           | 1.44               | 21.92      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB36#19               | 20.56                           | 1.44               | 22.00      | 0.158    | 2.000     | Pass    |
|                   |              |           | RB36#39               | 20.52                           | 1.44               | 21.96      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB75#0                | 20.6                            | 1.44               | 22.04      | 0.160    | 2.000     | Pass    |
| 20 MHz            | LCH          | QPSK      | RB1#0                 | 22.16                           | 1.44               | 23.60      | 0.229    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.14                           | 1.44               | 23.58      | 0.228    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.06                           | 1.44               | 23.50      | 0.224    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.19                           | 1.44               | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.16                           | 1.44               | 22.60      | 0.182    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.14                           | 1.44               | 22.58      | 0.181    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.23                           | 1.44               | 22.67      | 0.185    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.7                            | 1.44               | 23.14      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 21.69                           | 1.44               | 23.13      | 0.206    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 21.57                           | 1.44               | 23.01      | 0.200    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.42                           | 1.44               | 21.86      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 20.41                           | 1.44               | 21.85      | 0.153    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 20.34                           | 1.44               | 21.78      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 20.39                           | 1.44               | 21.83      | 0.152    | 2.000     | Pass    |
|                   | MCH          | QPSK      | RB1#0                 | 22.46                           | 1.44               | 23.90      | 0.245    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.53                           | 1.44               | 23.97      | 0.249    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.62                           | 1.44               | 24.06      | 0.255    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.25                           | 1.44               | 22.69      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.26                           | 1.44               | 22.70      | 0.186    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.19                           | 1.44               | 22.63      | 0.183    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 21.81                           | 1.44               | 23.25      | 0.211    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 21.97                           | 1.44               | 23.41      | 0.219    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22                              | 1.44               | 23.44      | 0.221    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.35                           | 1.44               | 21.79      | 0.151    | 2.000     | Pass    |

| Test BW           | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|-------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 7</b> |              |           |                       |                                 |                    |            |          |           |         |
|                   |              |           | RB50#25               | 20.35                           | 1.44               | 21.79      | 0.151    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 20.3                            | 1.44               | 21.74      | 0.149    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 20.3                            | 1.44               | 21.74      | 0.149    | 2.000     | Pass    |
|                   | HCH          | QPSK      | RB1#0                 | 22.29                           | 1.44               | 23.73      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.33                           | 1.44               | 23.77      | 0.238    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.37                           | 1.44               | 23.81      | 0.240    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 21.39                           | 1.44               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 21.39                           | 1.44               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 21.39                           | 1.44               | 22.83      | 0.192    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 21.37                           | 1.44               | 22.81      | 0.191    | 2.000     | Pass    |
|                   |              | 16-QAM    | RB1#0                 | 22.29                           | 1.44               | 23.73      | 0.236    | 2.000     | Pass    |
|                   |              |           | RB1#50                | 22.33                           | 1.44               | 23.77      | 0.238    | 2.000     | Pass    |
|                   |              |           | RB1#99                | 22.35                           | 1.44               | 23.79      | 0.239    | 2.000     | Pass    |
|                   |              |           | RB50#0                | 20.49                           | 1.44               | 21.93      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB50#25               | 20.53                           | 1.44               | 21.97      | 0.157    | 2.000     | Pass    |
|                   |              |           | RB50#50               | 20.49                           | 1.44               | 21.93      | 0.156    | 2.000     | Pass    |
|                   |              |           | RB100#0               | 20.49                           | 1.44               | 21.93      | 0.156    | 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                 | 23.54                           | -1.8               | -3.95              | 19.59     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 23.56                           | -1.8               | -3.95              | 19.61     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 23.5                            | -1.8               | -3.95              | 19.55     | 0.090   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 23.65                           | -1.8               | -3.95              | 19.70     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 23.63                           | -1.8               | -3.95              | 19.68     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 23.6                            | -1.8               | -3.95              | 19.65     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.8                            | -1.8               | -3.95              | 19.85     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 23.82                           | -1.8               | -3.95              | 19.87     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 23.8                            | -1.8               | -3.95              | 19.85     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 22.89                           | -1.8               | -3.95              | 18.94     | 0.078   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 22.89                           | -1.8               | -3.95              | 18.94     | 0.078   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 22.9                            | -1.8               | -3.95              | 18.95     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 21.85                           | -1.8               | -3.95              | 17.90     | 0.062   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.65                           | -1.8               | -3.95              | 19.70     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 23.7                            | -1.8               | -3.95              | 19.75     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 23.73                           | -1.8               | -3.95              | 19.78     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 23.62                           | -1.8               | -3.95              | 19.67     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 23.64                           | -1.8               | -3.95              | 19.69     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 23.66                           | -1.8               | -3.95              | 19.71     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 22.72                           | -1.8               | -3.95              | 18.77     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.87                           | -1.8               | -3.95              | 18.92     | 0.078   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 22.9                            | -1.8               | -3.95              | 18.95     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 22.9                            | -1.8               | -3.95              | 18.95     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 22.73                           | -1.8               | -3.95              | 18.78     | 0.076   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 22.72                           | -1.8               | -3.95              | 18.77     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 21.62                           | -1.8               | -3.95              | 17.67     | 0.058   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.77                           | -1.8               | -3.95              | 19.82     | 0.096   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 23.76                           | -1.8               | -3.95              | 19.81     | 0.096   | 3.000     | Pass    |
|                    |              |           | RB1#5                 | 23.73                           | -1.8               | -3.95              | 19.78     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 23.74                           | -1.8               | -3.95              | 19.79     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 23.75                           | -1.8               | -3.95              | 19.80     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 23.74                           | -1.8               | -3.95              | 19.79     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 22.7                            | -1.8               | -3.95              | 18.75     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.91                           | -1.8               | -3.95              | 18.96     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB1#3                 | 22.96                           | -1.8               | -3.95              | 19.01     | 0.080   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz              |              |           | RB1#5                 | 22.96                           | -1.8               | -3.95              | 19.01     | 0.080   | 3.000     | Pass    |
|                    |              |           | RB3#0                 | 23.07                           | -1.8               | -3.95              | 19.12     | 0.082   | 3.000     | Pass    |
|                    |              |           | RB3#2                 | 23.03                           | -1.8               | -3.95              | 19.08     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB3#3                 | 23.05                           | -1.8               | -3.95              | 19.10     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB6#0                 | 21.84                           | -1.8               | -3.95              | 17.89     | 0.062   | 3.000     | Pass    |
|                    | LCH          | QPSK      | RB1#0                 | 23.56                           | -1.8               | -3.95              | 19.61     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 23.57                           | -1.8               | -3.95              | 19.62     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 23.58                           | -1.8               | -3.95              | 19.63     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 22.66                           | -1.8               | -3.95              | 18.71     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 22.54                           | -1.8               | -3.95              | 18.59     | 0.072   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 22.7                            | -1.8               | -3.95              | 18.75     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.28                           | -1.8               | -3.95              | 19.33     | 0.086   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 23.27                           | -1.8               | -3.95              | 19.32     | 0.086   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 23.29                           | -1.8               | -3.95              | 19.34     | 0.086   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 21.66                           | -1.8               | -3.95              | 17.71     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 21.67                           | -1.8               | -3.95              | 17.72     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 21.7                            | -1.8               | -3.95              | 17.75     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 21.73                           | -1.8               | -3.95              | 17.78     | 0.060   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.66                           | -1.8               | -3.95              | 19.71     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 23.74                           | -1.8               | -3.95              | 19.79     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 23.68                           | -1.8               | -3.95              | 19.73     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 22.58                           | -1.8               | -3.95              | 18.63     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 22.57                           | -1.8               | -3.95              | 18.62     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.94                           | -1.8               | -3.95              | 18.99     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 22.9                            | -1.8               | -3.95              | 18.95     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 22.84                           | -1.8               | -3.95              | 18.89     | 0.077   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 21.81                           | -1.8               | -3.95              | 17.86     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 21.74                           | -1.8               | -3.95              | 17.79     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 21.73                           | -1.8               | -3.95              | 17.78     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 21.7                            | -1.8               | -3.95              | 17.75     | 0.060   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.8                            | -1.8               | -3.95              | 19.85     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 23.77                           | -1.8               | -3.95              | 19.82     | 0.096   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 23.74                           | -1.8               | -3.95              | 19.79     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 22.63                           | -1.8               | -3.95              | 18.68     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 22.65                           | -1.8               | -3.95              | 18.70     | 0.074   | 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                 | 22.58                           | -1.8               | -3.95              | 18.63     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.98                           | -1.8               | -3.95              | 19.03     | 0.080   | 3.000     | Pass    |
|                    |              |           | RB1#7                 | 22.95                           | -1.8               | -3.95              | 19.00     | 0.079   | 3.000     | Pass    |
|                    |              |           | RB1#14                | 23.01                           | -1.8               | -3.95              | 19.06     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB8#0                 | 21.83                           | -1.8               | -3.95              | 17.88     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB8#4                 | 21.81                           | -1.8               | -3.95              | 17.86     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB8#7                 | 21.84                           | -1.8               | -3.95              | 17.89     | 0.062   | 3.000     | Pass    |
|                    |              |           | RB15#0                | 21.66                           | -1.8               | -3.95              | 17.71     | 0.059   | 3.000     | Pass    |
|                    |              |           |                       |                                 |                    |                    |           |         |           |         |
| 5 MHz              | LCH          | QPSK      | RB1#0                 | 23.68                           | -1.8               | -3.95              | 19.73     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.71                           | -1.8               | -3.95              | 19.76     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.66                           | -1.8               | -3.95              | 19.71     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.63                           | -1.8               | -3.95              | 18.68     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.72                           | -1.8               | -3.95              | 18.77     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.36                           | -1.8               | -3.95              | 18.41     | 0.069   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.4                            | -1.8               | -3.95              | 18.45     | 0.070   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.48                           | -1.8               | -3.95              | 18.53     | 0.071   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.76                           | -1.8               | -3.95              | 17.81     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.78                           | -1.8               | -3.95              | 17.83     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.76                           | -1.8               | -3.95              | 17.81     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.96                           | -1.8               | -3.95              | 18.01     | 0.063   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.79                           | -1.8               | -3.95              | 19.84     | 0.096   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.76                           | -1.8               | -3.95              | 19.81     | 0.096   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.83                           | -1.8               | -3.95              | 19.88     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.71                           | -1.8               | -3.95              | 18.76     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.58                           | -1.8               | -3.95              | 18.63     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.65                           | -1.8               | -3.95              | 18.70     | 0.074   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.01                           | -1.8               | -3.95              | 19.06     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.96                           | -1.8               | -3.95              | 19.01     | 0.080   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.98                           | -1.8               | -3.95              | 19.03     | 0.080   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.78                           | -1.8               | -3.95              | 17.83     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.67                           | -1.8               | -3.95              | 17.72     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.67                           | -1.8               | -3.95              | 17.72     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.76                           | -1.8               | -3.95              | 17.81     | 0.060   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.56                           | -1.8               | -3.95              | 19.61     | 0.091   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    |              |           | RB1#13                | 23.56                           | -1.8               | -3.95              | 19.61     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.54                           | -1.8               | -3.95              | 19.59     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.64                           | -1.8               | -3.95              | 18.69     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.73                           | -1.8               | -3.95              | 18.78     | 0.076   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.72                           | -1.8               | -3.95              | 18.77     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.8                            | -1.8               | -3.95              | 18.85     | 0.077   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.13                           | -1.8               | -3.95              | 19.18     | 0.083   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.11                           | -1.8               | -3.95              | 19.16     | 0.082   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.05                           | -1.8               | -3.95              | 19.10     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.7                            | -1.8               | -3.95              | 17.75     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.75                           | -1.8               | -3.95              | 17.80     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.73                           | -1.8               | -3.95              | 17.78     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.89                           | -1.8               | -3.95              | 17.94     | 0.062   | 3.000     | Pass    |
| 10 MHz             | LCH          | QPSK      | RB1#0                 | 23.58                           | -1.8               | -3.95              | 19.63     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.64                           | -1.8               | -3.95              | 19.69     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.63                           | -1.8               | -3.95              | 19.68     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.61                           | -1.8               | -3.95              | 18.66     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.7                            | -1.8               | -3.95              | 18.75     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.63                           | -1.8               | -3.95              | 18.68     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.7                            | -1.8               | -3.95              | 18.75     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.21                           | -1.8               | -3.95              | 19.26     | 0.084   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.34                           | -1.8               | -3.95              | 19.39     | 0.087   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.25                           | -1.8               | -3.95              | 19.30     | 0.085   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.68                           | -1.8               | -3.95              | 17.73     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.66                           | -1.8               | -3.95              | 17.71     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.79                           | -1.8               | -3.95              | 17.84     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.77                           | -1.8               | -3.95              | 17.82     | 0.061   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.47                           | -1.8               | -3.95              | 19.52     | 0.090   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.6                            | -1.8               | -3.95              | 19.65     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.69                           | -1.8               | -3.95              | 19.74     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.61                           | -1.8               | -3.95              | 18.66     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.71                           | -1.8               | -3.95              | 18.76     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.65                           | -1.8               | -3.95              | 18.70     | 0.074   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.47                           | -1.8               | -3.95              | 19.52     | 0.090   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.56                           | -1.8               | -3.95              | 19.61     | 0.091   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#49                | 23.61                           | -1.8               | -3.95              | 19.66     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.86                           | -1.8               | -3.95              | 17.91     | 0.062   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                    | HCH          |           | RB25#13               | 21.78                           | -1.8               | -3.95              | 17.83     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.84                           | -1.8               | -3.95              | 17.89     | 0.062   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.66                           | -1.8               | -3.95              | 17.71     | 0.059   | 3.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 23.58                           | -1.8               | -3.95              | 19.63     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.65                           | -1.8               | -3.95              | 19.70     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.7                            | -1.8               | -3.95              | 19.75     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.65                           | -1.8               | -3.95              | 18.70     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.63                           | -1.8               | -3.95              | 18.68     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.79                           | -1.8               | -3.95              | 18.84     | 0.077   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.73                           | -1.8               | -3.95              | 18.78     | 0.076   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.07                           | -1.8               | -3.95              | 19.12     | 0.082   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.14                           | -1.8               | -3.95              | 19.19     | 0.083   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.12                           | -1.8               | -3.95              | 19.17     | 0.083   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.82                           | -1.8               | -3.95              | 17.87     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.85                           | -1.8               | -3.95              | 17.90     | 0.062   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.94                           | -1.8               | -3.95              | 17.99     | 0.063   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.71                           | -1.8               | -3.95              | 17.76     | 0.060   | 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                 | 23.53                           | -1.8               | -3.95              | 19.58     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.55                           | -1.8               | -3.95              | 19.60     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.54                           | -1.8               | -3.95              | 19.59     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.78                           | -1.8               | -3.95              | 18.83     | 0.076   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.71                           | -1.8               | -3.95              | 18.76     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.63                           | -1.8               | -3.95              | 18.68     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.61                           | -1.8               | -3.95              | 18.66     | 0.073   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.59                           | -1.8               | -3.95              | 18.64     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 22.59                           | -1.8               | -3.95              | 18.64     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 22.66                           | -1.8               | -3.95              | 18.71     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.72                           | -1.8               | -3.95              | 17.77     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.66                           | -1.8               | -3.95              | 17.71     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.66                           | -1.8               | -3.95              | 17.71     | 0.059   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.86                           | -1.8               | -3.95              | 17.91     | 0.062   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.76                           | -1.8               | -3.95              | 19.81     | 0.096   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.84                           | -1.8               | -3.95              | 19.89     | 0.097   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.85                           | -1.8               | -3.95              | 19.90     | 0.098   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.61                           | -1.8               | -3.95              | 18.66     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.72                           | -1.8               | -3.95              | 18.77     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.73                           | -1.8               | -3.95              | 18.78     | 0.076   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.02                           | -1.8               | -3.95              | 19.07     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.06                           | -1.8               | -3.95              | 19.11     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.01                           | -1.8               | -3.95              | 19.06     | 0.081   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.58                           | -1.8               | -3.95              | 17.63     | 0.058   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.76                           | -1.8               | -3.95              | 17.81     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.76                           | -1.8               | -3.95              | 17.81     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.84                           | -1.8               | -3.95              | 17.89     | 0.062   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.6                            | -1.8               | -3.95              | 19.65     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.55                           | -1.8               | -3.95              | 19.60     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#24                | 23.59                           | -1.8               | -3.95              | 19.64     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 22.65                           | -1.8               | -3.95              | 18.70     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 22.75                           | -1.8               | -3.95              | 18.80     | 0.076   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 22.71                           | -1.8               | -3.95              | 18.76     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.15                           | -1.8               | -3.95              | 19.20     | 0.083   | 3.000     | Pass    |
|                    |              |           | RB1#13                | 23.14                           | -1.8               | -3.95              | 19.19     | 0.083   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz             |              |           | RB1#24                | 23.1                            | -1.8               | -3.95              | 19.15     | 0.082   | 3.000     | Pass    |
|                    |              |           | RB12#0                | 21.7                            | -1.8               | -3.95              | 17.75     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#6                | 21.7                            | -1.8               | -3.95              | 17.75     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB12#13               | 21.74                           | -1.8               | -3.95              | 17.79     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.91                           | -1.8               | -3.95              | 17.96     | 0.063   | 3.000     | Pass    |
|                    | LCH          | QPSK      | RB1#0                 | 23.55                           | -1.8               | -3.95              | 19.60     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.59                           | -1.8               | -3.95              | 19.64     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.65                           | -1.8               | -3.95              | 19.70     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.63                           | -1.8               | -3.95              | 18.68     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.6                            | -1.8               | -3.95              | 18.65     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.66                           | -1.8               | -3.95              | 18.71     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.2                            | -1.8               | -3.95              | 19.25     | 0.084   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.22                           | -1.8               | -3.95              | 19.27     | 0.085   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.35                           | -1.8               | -3.95              | 19.40     | 0.087   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.74                           | -1.8               | -3.95              | 17.79     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.73                           | -1.8               | -3.95              | 17.78     | 0.060   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.81                           | -1.8               | -3.95              | 17.86     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.63                           | -1.8               | -3.95              | 17.68     | 0.059   | 3.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.62                           | -1.8               | -3.95              | 19.67     | 0.093   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.61                           | -1.8               | -3.95              | 19.66     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.7                            | -1.8               | -3.95              | 19.75     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.59                           | -1.8               | -3.95              | 18.64     | 0.073   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.75                           | -1.8               | -3.95              | 18.80     | 0.076   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 22.68                           | -1.8               | -3.95              | 18.73     | 0.075   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.62                           | -1.8               | -3.95              | 18.67     | 0.074   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.56                           | -1.8               | -3.95              | 19.61     | 0.091   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.59                           | -1.8               | -3.95              | 19.64     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.58                           | -1.8               | -3.95              | 19.63     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.8                            | -1.8               | -3.95              | 17.85     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.81                           | -1.8               | -3.95              | 17.86     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.8                            | -1.8               | -3.95              | 17.85     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.74                           | -1.8               | -3.95              | 17.79     | 0.060   | 3.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.6                            | -1.8               | -3.95              | 19.65     | 0.092   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.67                           | -1.8               | -3.95              | 19.72     | 0.094   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.74                           | -1.8               | -3.95              | 19.79     | 0.095   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 22.67                           | -1.8               | -3.95              | 18.72     | 0.074   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 22.65                           | -1.8               | -3.95              | 18.70     | 0.074   | 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               | 22.81                           | -1.8               | -3.95              | 18.86     | 0.077   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 22.75                           | -1.8               | -3.95              | 18.80     | 0.076   | 3.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.09                           | -1.8               | -3.95              | 19.14     | 0.082   | 3.000     | Pass    |
|                    |              |           | RB1#25                | 23.17                           | -1.8               | -3.95              | 19.22     | 0.084   | 3.000     | Pass    |
|                    |              |           | RB1#49                | 23.16                           | -1.8               | -3.95              | 19.21     | 0.083   | 3.000     | Pass    |
|                    |              |           | RB25#0                | 21.83                           | -1.8               | -3.95              | 17.88     | 0.061   | 3.000     | Pass    |
|                    |              |           | RB25#13               | 21.94                           | -1.8               | -3.95              | 17.99     | 0.063   | 3.000     | Pass    |
|                    |              |           | RB25#25               | 21.98                           | -1.8               | -3.95              | 18.03     | 0.064   | 3.000     | Pass    |
|                    |              |           | RB50#0                | 21.73                           | -1.8               | -3.95              | 17.78     | 0.060   | 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 26 (Part22)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                     | LCH          | QPSK      | RB1#0                 | 23.33                           | -1.28              | -3.43              | 19.90     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.34                           | -1.28              | -3.43              | 19.91     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.35                           | -1.28              | -3.43              | 19.92     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 22.88                           | -1.28              | -3.43              | 19.45     | 0.088   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 22.83                           | -1.28              | -3.43              | 19.40     | 0.087   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 22.8                            | -1.28              | -3.43              | 19.37     | 0.086   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.79                           | -1.28              | -3.43              | 20.36     | 0.109   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.81                           | -1.28              | -3.43              | 20.38     | 0.109   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.85                           | -1.28              | -3.43              | 20.42     | 0.110   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 22                              | -1.28              | -3.43              | 18.57     | 0.072   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 21.93                           | -1.28              | -3.43              | 18.50     | 0.071   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 22.02                           | -1.28              | -3.43              | 18.59     | 0.072   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.95                           | -1.28              | -3.43              | 17.52     | 0.056   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.39                           | -1.28              | -3.43              | 19.96     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.43                           | -1.28              | -3.43              | 20.00     | 0.100   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.45                           | -1.28              | -3.43              | 20.02     | 0.100   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 22.83                           | -1.28              | -3.43              | 19.40     | 0.087   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 22.9                            | -1.28              | -3.43              | 19.47     | 0.089   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 22.83                           | -1.28              | -3.43              | 19.40     | 0.087   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.99                           | -1.28              | -3.43              | 17.56     | 0.057   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.88                           | -1.28              | -3.43              | 20.45     | 0.111   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.85                           | -1.28              | -3.43              | 20.42     | 0.110   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.86                           | -1.28              | -3.43              | 20.43     | 0.110   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 21.99                           | -1.28              | -3.43              | 18.56     | 0.072   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 21.96                           | -1.28              | -3.43              | 18.53     | 0.071   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 21.93                           | -1.28              | -3.43              | 18.50     | 0.071   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.62                           | -1.28              | -3.43              | 17.19     | 0.052   | 7.000     | Pass    |
|                             | HCH          | QPSK      | RB1#0                 | 23.36                           | -1.28              | -3.43              | 19.93     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.39                           | -1.28              | -3.43              | 19.96     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB1#5                 | 23.39                           | -1.28              | -3.43              | 19.96     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 22.86                           | -1.28              | -3.43              | 19.43     | 0.088   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 22.86                           | -1.28              | -3.43              | 19.43     | 0.088   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 22.87                           | -1.28              | -3.43              | 19.44     | 0.088   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.79                           | -1.28              | -3.43              | 17.36     | 0.054   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.24                           | -1.28              | -3.43              | 19.81     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB1#3                 | 23.25                           | -1.28              | -3.43              | 19.82     | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz                       |              |           | RB1#5                 | 23.21                           | -1.28              | -3.43              | 19.78     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB3#0                 | 21.88                           | -1.28              | -3.43              | 18.45     | 0.070   | 7.000     | Pass    |
|                             |              |           | RB3#2                 | 21.86                           | -1.28              | -3.43              | 18.43     | 0.070   | 7.000     | Pass    |
|                             |              |           | RB3#3                 | 21.83                           | -1.28              | -3.43              | 18.40     | 0.069   | 7.000     | Pass    |
|                             |              |           | RB6#0                 | 20.96                           | -1.28              | -3.43              | 17.53     | 0.057   | 7.000     | Pass    |
|                             |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             | LCH          | QPSK      | RB1#0                 | 23.26                           | -1.28              | -3.43              | 19.83     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.81                           | -1.28              | -3.43              | 17.38     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.82                           | -1.28              | -3.43              | 17.39     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 20.91                           | -1.28              | -3.43              | 17.48     | 0.056   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 20.8                            | -1.28              | -3.43              | 17.37     | 0.055   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.58                           | -1.28              | -3.43              | 20.15     | 0.104   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.54                           | -1.28              | -3.43              | 20.11     | 0.103   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.49                           | -1.28              | -3.43              | 20.06     | 0.101   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.88                           | -1.28              | -3.43              | 17.45     | 0.056   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 20.98                           | -1.28              | -3.43              | 17.55     | 0.057   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.49                           | -1.28              | -3.43              | 20.06     | 0.101   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.49                           | -1.28              | -3.43              | 20.06     | 0.101   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.51                           | -1.28              | -3.43              | 20.08     | 0.102   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.81                           | -1.28              | -3.43              | 17.38     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.92                           | -1.28              | -3.43              | 17.49     | 0.056   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 20.89                           | -1.28              | -3.43              | 17.46     | 0.056   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 20.88                           | -1.28              | -3.43              | 17.45     | 0.056   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.18                           | -1.28              | -3.43              | 19.75     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.17                           | -1.28              | -3.43              | 19.74     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.21                           | -1.28              | -3.43              | 19.78     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 21.06                           | -1.28              | -3.43              | 17.63     | 0.058   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 21.15                           | -1.28              | -3.43              | 17.72     | 0.059   | 7.000     | Pass    |
|                             |              |           | RB8#7                 | 21.13                           | -1.28              | -3.43              | 17.70     | 0.059   | 7.000     | Pass    |
|                             |              |           | RB15#0                | 21.06                           | -1.28              | -3.43              | 17.63     | 0.058   | 7.000     | Pass    |
|                             | HCH          | QPSK      | RB1#0                 | 23.41                           | -1.28              | -3.43              | 19.98     | 0.100   | 7.000     | Pass    |
|                             |              |           | RB1#7                 | 23.37                           | -1.28              | -3.43              | 19.94     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB1#14                | 23.35                           | -1.28              | -3.43              | 19.92     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB8#0                 | 20.87                           | -1.28              | -3.43              | 17.44     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB8#4                 | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 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 |
|----------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| LTE Band 26 (Part22) |              |           |                       |                                 |                    |                    |           |         |           |         |
|                      |              |           | RB8#7                 | 20.79                           | -1.28              | -3.43              | 17.36     | 0.054   | 7.000     | Pass    |
|                      |              |           | RB15#0                | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 7.000     | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 23.16                           | -1.28              | -3.43              | 19.73     | 0.094   | 7.000     | Pass    |
|                      |              |           | RB1#7                 | 23.2                            | -1.28              | -3.43              | 19.77     | 0.095   | 7.000     | Pass    |
|                      |              |           | RB1#14                | 23.22                           | -1.28              | -3.43              | 19.79     | 0.095   | 7.000     | Pass    |
|                      |              |           | RB8#0                 | 21.07                           | -1.28              | -3.43              | 17.64     | 0.058   | 7.000     | Pass    |
|                      |              |           | RB8#4                 | 21.05                           | -1.28              | -3.43              | 17.62     | 0.058   | 7.000     | Pass    |
|                      |              |           | RB8#7                 | 20.99                           | -1.28              | -3.43              | 17.56     | 0.057   | 7.000     | Pass    |
|                      |              |           | RB15#0                | 20.89                           | -1.28              | -3.43              | 17.46     | 0.056   | 7.000     | Pass    |
| 5 MHz                | LCH          | QPSK      | RB1#0                 | 23.25                           | -1.28              | -3.43              | 19.82     | 0.096   | 7.000     | Pass    |
|                      |              |           | RB1#13                | 23.23                           | -1.28              | -3.43              | 19.80     | 0.095   | 7.000     | Pass    |
|                      |              |           | RB1#24                | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                      |              |           | RB12#0                | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 7.000     | Pass    |
|                      |              |           | RB12#6                | 20.93                           | -1.28              | -3.43              | 17.50     | 0.056   | 7.000     | Pass    |
|                      |              |           | RB12#13               | 20.94                           | -1.28              | -3.43              | 17.51     | 0.056   | 7.000     | Pass    |
|                      |              |           | RB25#0                | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 7.000     | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 22.76                           | -1.28              | -3.43              | 19.33     | 0.086   | 7.000     | Pass    |
|                      |              |           | RB1#13                | 22.71                           | -1.28              | -3.43              | 19.28     | 0.085   | 7.000     | Pass    |
|                      |              |           | RB1#24                | 22.77                           | -1.28              | -3.43              | 19.34     | 0.086   | 7.000     | Pass    |
|                      |              |           | RB12#0                | 21                              | -1.28              | -3.43              | 17.57     | 0.057   | 7.000     | Pass    |
|                      |              |           | RB12#6                | 20.97                           | -1.28              | -3.43              | 17.54     | 0.057   | 7.000     | Pass    |
|                      |              |           | RB12#13               | 20.96                           | -1.28              | -3.43              | 17.53     | 0.057   | 7.000     | Pass    |
|                      |              |           | RB25#0                | 21.02                           | -1.28              | -3.43              | 17.59     | 0.057   | 7.000     | Pass    |
|                      | MCH          | QPSK      | RB1#0                 | 23.52                           | -1.28              | -3.43              | 20.09     | 0.102   | 7.000     | Pass    |
|                      |              |           | RB1#13                | 23.64                           | -1.28              | -3.43              | 20.21     | 0.105   | 7.000     | Pass    |
|                      |              |           | RB1#24                | 23.52                           | -1.28              | -3.43              | 20.09     | 0.102   | 7.000     | Pass    |
|                      |              |           | RB12#0                | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 7.000     | Pass    |
|                      |              |           | RB12#6                | 20.92                           | -1.28              | -3.43              | 17.49     | 0.056   | 7.000     | Pass    |
|                      |              |           | RB12#13               | 20.94                           | -1.28              | -3.43              | 17.51     | 0.056   | 7.000     | Pass    |
|                      |              |           | RB25#0                | 20.93                           | -1.28              | -3.43              | 17.50     | 0.056   | 7.000     | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 23.22                           | -1.28              | -3.43              | 19.79     | 0.095   | 7.000     | Pass    |
|                      |              |           | RB1#13                | 23.25                           | -1.28              | -3.43              | 19.82     | 0.096   | 7.000     | Pass    |
| RB1#24               |              |           | 23.25                 | -1.28                           | -3.43              | 19.82              | 0.096     | 7.000   | Pass      |         |
| RB12#0               |              |           | 20.99                 | -1.28                           | -3.43              | 17.56              | 0.057     | 7.000   | Pass      |         |
| RB12#6               |              |           | 21.07                 | -1.28                           | -3.43              | 17.64              | 0.058     | 7.000   | Pass      |         |
| RB12#13              |              |           | 21.02                 | -1.28                           | -3.43              | 17.59              | 0.057     | 7.000   | Pass      |         |
| RB25#0               |              |           | 21.17                 | -1.28                           | -3.43              | 17.74              | 0.059     | 7.000   | Pass      |         |
| HCH                  |              |           | QPSK                  | RB1#0                           | 23.22              | -1.28              | -3.43     | 19.79   | 0.095     | 7.000   |

| 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#13                | 23.18                           | -1.28              | -3.43              | 19.75     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB1#24                | 23.14                           | -1.28              | -3.43              | 19.71     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB12#0                | 20.8                            | -1.28              | -3.43              | 17.37     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB12#6                | 20.88                           | -1.28              | -3.43              | 17.45     | 0.056   | 7.000     | Pass    |
|                             |              |           | RB12#13               | 20.88                           | -1.28              | -3.43              | 17.45     | 0.056   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#13                | 23.28                           | -1.28              | -3.43              | 19.85     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#24                | 23.25                           | -1.28              | -3.43              | 19.82     | 0.096   | 7.000     | Pass    |
|                             |              |           | RB12#0                | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 7.000     | Pass    |
|                             |              |           | RB12#6                | 20.98                           | -1.28              | -3.43              | 17.55     | 0.057   | 7.000     | Pass    |
|                             |              |           | RB12#13               | 20.98                           | -1.28              | -3.43              | 17.55     | 0.057   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.09                           | -1.28              | -3.43              | 17.66     | 0.058   | 7.000     | Pass    |
|                             |              |           | RB25#13               | 20.98                           | -1.28              | -3.43              | 17.55     | 0.057   | 7.000     | Pass    |
| 10 MHz                      | LCH          | QPSK      | RB1#0                 | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#25                | 23.34                           | -1.28              | -3.43              | 19.91     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#49                | 23.38                           | -1.28              | -3.43              | 19.95     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.26                           | -1.28              | -3.43              | 17.83     | 0.061   | 7.000     | Pass    |
|                             |              |           | RB25#13               | 21.35                           | -1.28              | -3.43              | 17.92     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB25#25               | 21.36                           | -1.28              | -3.43              | 17.93     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB50#0                | 21.45                           | -1.28              | -3.43              | 18.02     | 0.063   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.64                           | -1.28              | -3.43              | 20.21     | 0.105   | 7.000     | Pass    |
|                             |              |           | RB1#25                | 23.64                           | -1.28              | -3.43              | 20.21     | 0.105   | 7.000     | Pass    |
|                             |              |           | RB1#49                | 23.72                           | -1.28              | -3.43              | 20.29     | 0.107   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.39                           | -1.28              | -3.43              | 17.96     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB25#13               | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB25#25               | 21.45                           | -1.28              | -3.43              | 18.02     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB50#0                | 21.38                           | -1.28              | -3.43              | 17.95     | 0.062   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.33                           | -1.28              | -3.43              | 19.90     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#25                | 23.34                           | -1.28              | -3.43              | 19.91     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#49                | 23.33                           | -1.28              | -3.43              | 19.90     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB25#13               | 21.42                           | -1.28              | -3.43              | 17.99     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB25#25               | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB50#0                | 21.32                           | -1.28              | -3.43              | 17.89     | 0.062   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.8                            | -1.28              | -3.43              | 20.37     | 0.109   | 7.000     | Pass    |
|                             |              |           | RB1#25                | 23.91                           | -1.28              | -3.43              | 20.48     | 0.112   | 7.000     | Pass    |
|                             |              |           | RB1#49                | 23.8                            | -1.28              | -3.43              | 20.37     | 0.109   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.58                           | -1.28              | -3.43              | 18.15     | 0.065   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             | HCH          |           | RB25#13               | 21.65                           | -1.28              | -3.43              | 18.22     | 0.066   | 7.000     | Pass    |
|                             |              |           | RB25#25               | 21.64                           | -1.28              | -3.43              | 18.21     | 0.066   | 7.000     | Pass    |
|                             |              |           | RB50#0                | 21.57                           | -1.28              | -3.43              | 18.14     | 0.065   | 7.000     | Pass    |
|                             |              | QPSK      | RB1#0                 | 23.38                           | -1.28              | -3.43              | 19.95     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB1#25                | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#49                | 23.28                           | -1.28              | -3.43              | 19.85     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB25#13               | 21.21                           | -1.28              | -3.43              | 17.78     | 0.060   | 7.000     | Pass    |
|                             |              |           | RB25#25               | 21.35                           | -1.28              | -3.43              | 17.92     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB50#0                | 21.21                           | -1.28              | -3.43              | 17.78     | 0.060   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.33                           | -1.28              | -3.43              | 19.90     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#25                | 23.2                            | -1.28              | -3.43              | 19.77     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB1#49                | 23.17                           | -1.28              | -3.43              | 19.74     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB25#0                | 21.63                           | -1.28              | -3.43              | 18.20     | 0.066   | 7.000     | Pass    |
|                             |              |           | RB25#13               | 21.54                           | -1.28              | -3.43              | 18.11     | 0.065   | 7.000     | Pass    |
|                             |              |           | RB25#25               | 21.66                           | -1.28              | -3.43              | 18.23     | 0.067   | 7.000     | Pass    |
|                             |              |           | RB50#0                | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 7.000     | Pass    |
| 15 MHz                      | LCH          | QPSK      | RB1#0                 | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#38                | 23.36                           | -1.28              | -3.43              | 19.93     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#74                | 23.38                           | -1.28              | -3.43              | 19.95     | 0.099   | 7.000     | Pass    |
|                             |              |           | RB36#0                | 21.27                           | -1.28              | -3.43              | 17.84     | 0.061   | 7.000     | Pass    |
|                             |              |           | RB36#19               | 21.33                           | -1.28              | -3.43              | 17.90     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB36#39               | 21.39                           | -1.28              | -3.43              | 17.96     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB75#0                | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.6                            | -1.28              | -3.43              | 20.17     | 0.104   | 7.000     | Pass    |
|                             |              |           | RB1#38                | 23.68                           | -1.28              | -3.43              | 20.25     | 0.106   | 7.000     | Pass    |
|                             |              |           | RB1#74                | 23.68                           | -1.28              | -3.43              | 20.25     | 0.106   | 7.000     | Pass    |
|                             |              |           | RB36#0                | 21.45                           | -1.28              | -3.43              | 18.02     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB36#19               | 21.4                            | -1.28              | -3.43              | 17.97     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB36#39               | 21.43                           | -1.28              | -3.43              | 18.00     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB75#0                | 21.53                           | -1.28              | -3.43              | 18.10     | 0.065   | 7.000     | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB1#38                | 23.35                           | -1.28              | -3.43              | 19.92     | 0.098   | 7.000     | Pass    |
|                             |              |           | RB1#74                | 23.28                           | -1.28              | -3.43              | 19.85     | 0.097   | 7.000     | Pass    |
|                             |              |           | RB36#0                | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB36#19               | 21.46                           | -1.28              | -3.43              | 18.03     | 0.064   | 7.000     | Pass    |
|                             |              |           | RB36#39               | 21.32                           | -1.28              | -3.43              | 17.89     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB75#0                | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 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> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             |              | 16-QAM    | RB1#0                 | 23.79                           | -1.28              | -3.43              | 20.36     | 0.109   | 7.000     | Pass    |
|                             |              |           | RB1#38                | 23.9                            | -1.28              | -3.43              | 20.47     | 0.111   | 7.000     | Pass    |
|                             |              |           | RB1#74                | 23.73                           | -1.28              | -3.43              | 20.30     | 0.107   | 7.000     | Pass    |
|                             |              |           | RB36#0                | 21.63                           | -1.28              | -3.43              | 18.20     | 0.066   | 7.000     | Pass    |
|                             |              |           | RB36#19               | 21.63                           | -1.28              | -3.43              | 18.20     | 0.066   | 7.000     | Pass    |
|                             |              |           | RB36#39               | 21.54                           | -1.28              | -3.43              | 18.11     | 0.065   | 7.000     | Pass    |
|                             |              |           | RB75#0                | 21.56                           | -1.28              | -3.43              | 18.13     | 0.065   | 7.000     | Pass    |
|                             | HCH          | QPSK      | RB1#0                 | 23.22                           | -1.28              | -3.43              | 19.79     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB1#38                | 23.21                           | -1.28              | -3.43              | 19.78     | 0.095   | 7.000     | Pass    |
|                             |              |           | RB1#74                | 23.17                           | -1.28              | -3.43              | 19.74     | 0.094   | 7.000     | Pass    |
|                             |              |           | RB36#0                | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB36#19               | 21.36                           | -1.28              | -3.43              | 17.93     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB36#39               | 21.33                           | -1.28              | -3.43              | 17.90     | 0.062   | 7.000     | Pass    |
|                             |              |           | RB75#0                | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 7.000     | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 24.03                           | -1.28              | -3.43              | 20.60     | 0.115   | 7.000     | Pass    |
|                             |              |           | RB1#38                | 23.96                           | -1.28              | -3.43              | 20.53     | 0.113   | 7.000     | Pass    |
|                             |              |           | RB1#74                | 23.83                           | -1.28              | -3.43              | 20.40     | 0.110   | 7.000     | Pass    |
|                             |              |           | RB36#0                | 21.49                           | -1.28              | -3.43              | 18.06     | 0.064   | 7.000     | Pass    |
|                             |              |           | RB36#19               | 21.45                           | -1.28              | -3.43              | 18.02     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB36#39               | 21.41                           | -1.28              | -3.43              | 17.98     | 0.063   | 7.000     | Pass    |
|                             |              |           | RB75#0                | 21.44                           | -1.28              | -3.43              | 18.01     | 0.063   | 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 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 1.4 MHz                     | LCH          | QPSK      | RB1#0                 | 23.33                           | -1.28              | -3.43              | 19.90     | 0.098   | 100.000   | Pass    |
|                             |              |           | RB1#3                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB1#5                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB3#0                 | 22.89                           | -1.28              | -3.43              | 19.46     | 0.088   | 100.000   | Pass    |
|                             |              |           | RB3#2                 | 22.85                           | -1.28              | -3.43              | 19.42     | 0.087   | 100.000   | Pass    |
|                             |              |           | RB3#3                 | 22.85                           | -1.28              | -3.43              | 19.42     | 0.087   | 100.000   | Pass    |
|                             |              |           | RB6#0                 | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.92                           | -1.28              | -3.43              | 20.49     | 0.112   | 100.000   | Pass    |
|                             |              |           | RB1#3                 | 23.95                           | -1.28              | -3.43              | 20.52     | 0.113   | 100.000   | Pass    |
|                             |              |           | RB1#5                 | 23.93                           | -1.28              | -3.43              | 20.50     | 0.112   | 100.000   | Pass    |
|                             |              |           | RB3#0                 | 21.97                           | -1.28              | -3.43              | 18.54     | 0.071   | 100.000   | Pass    |
|                             |              |           | RB3#2                 | 21.94                           | -1.28              | -3.43              | 18.51     | 0.071   | 100.000   | Pass    |
|                             |              |           | RB3#3                 | 21.92                           | -1.28              | -3.43              | 18.49     | 0.071   | 100.000   | Pass    |
|                             |              |           | RB6#0                 | 20.92                           | -1.28              | -3.43              | 17.49     | 0.056   | 100.000   | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.41                           | -1.28              | -3.43              | 19.98     | 0.100   | 100.000   | Pass    |
|                             |              |           | RB1#3                 | 23.39                           | -1.28              | -3.43              | 19.96     | 0.099   | 100.000   | Pass    |
|                             |              |           | RB1#5                 | 23.45                           | -1.28              | -3.43              | 20.02     | 0.100   | 100.000   | Pass    |
|                             |              |           | RB3#0                 | 22.84                           | -1.28              | -3.43              | 19.41     | 0.087   | 100.000   | Pass    |
|                             |              |           | RB3#2                 | 22.88                           | -1.28              | -3.43              | 19.45     | 0.088   | 100.000   | Pass    |
|                             |              |           | RB3#3                 | 22.9                            | -1.28              | -3.43              | 19.47     | 0.089   | 100.000   | Pass    |
|                             |              |           | RB6#0                 | 20.89                           | -1.28              | -3.43              | 17.46     | 0.056   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.08                           | -1.28              | -3.43              | 19.65     | 0.092   | 100.000   | Pass    |
|                             |              |           | RB1#3                 | 23.09                           | -1.28              | -3.43              | 19.66     | 0.092   | 100.000   | Pass    |
|                             |              |           | RB1#5                 | 23.11                           | -1.28              | -3.43              | 19.68     | 0.093   | 100.000   | Pass    |
|                             |              |           | RB3#0                 | 21.86                           | -1.28              | -3.43              | 18.43     | 0.070   | 100.000   | Pass    |
|                             |              |           | RB3#2                 | 21.85                           | -1.28              | -3.43              | 18.42     | 0.070   | 100.000   | Pass    |
|                             |              |           | RB3#3                 | 21.88                           | -1.28              | -3.43              | 18.45     | 0.070   | 100.000   | Pass    |
|                             |              |           | RB6#0                 | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 100.000   | Pass    |
|                             | HCH          | QPSK      | RB1#0                 | 23.36                           | -1.28              | -3.43              | 19.93     | 0.098   | 100.000   | Pass    |
|                             |              |           | RB1#3                 | 23.32                           | -1.28              | -3.43              | 19.89     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB1#5                 | 23.3                            | -1.28              | -3.43              | 19.87     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB3#0                 | 22.78                           | -1.28              | -3.43              | 19.35     | 0.086   | 100.000   | Pass    |
|                             |              |           | RB3#2                 | 22.62                           | -1.28              | -3.43              | 19.19     | 0.083   | 100.000   | Pass    |
|                             |              |           | RB3#3                 | 22.82                           | -1.28              | -3.43              | 19.39     | 0.087   | 100.000   | Pass    |
|                             |              |           | RB6#0                 | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.14                           | -1.28              | -3.43              | 19.71     | 0.094   | 100.000   | Pass    |
|                             |              |           | RB1#3                 | 23.1                            | -1.28              | -3.43              | 19.67     | 0.093   | 100.000   | 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 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
| 3 MHz                       |              |           | RB1#5                 | 23.13                           | -1.28              | -3.43              | 19.70     | 0.093   | 100.000   | Pass    |
|                             |              |           | RB3#0                 | 21.86                           | -1.28              | -3.43              | 18.43     | 0.070   | 100.000   | Pass    |
|                             |              |           | RB3#2                 | 21.86                           | -1.28              | -3.43              | 18.43     | 0.070   | 100.000   | Pass    |
|                             |              |           | RB3#3                 | 21.85                           | -1.28              | -3.43              | 18.42     | 0.070   | 100.000   | Pass    |
|                             |              |           | RB6#0                 | 21.03                           | -1.28              | -3.43              | 17.60     | 0.058   | 100.000   | Pass    |
|                             | LCH          | QPSK      | RB1#0                 | 23.27                           | -1.28              | -3.43              | 19.84     | 0.096   | 100.000   | Pass    |
|                             |              |           | RB1#7                 | 23.3                            | -1.28              | -3.43              | 19.87     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB1#14                | 23.24                           | -1.28              | -3.43              | 19.81     | 0.096   | 100.000   | Pass    |
|                             |              |           | RB8#0                 | 20.91                           | -1.28              | -3.43              | 17.48     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB8#4                 | 20.94                           | -1.28              | -3.43              | 17.51     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB8#7                 | 20.88                           | -1.28              | -3.43              | 17.45     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB15#0                | 20.87                           | -1.28              | -3.43              | 17.44     | 0.055   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.67                           | -1.28              | -3.43              | 20.24     | 0.106   | 100.000   | Pass    |
|                             |              |           | RB1#7                 | 23.6                            | -1.28              | -3.43              | 20.17     | 0.104   | 100.000   | Pass    |
|                             |              |           | RB1#14                | 23.58                           | -1.28              | -3.43              | 20.15     | 0.104   | 100.000   | Pass    |
|                             |              |           | RB8#0                 | 20.81                           | -1.28              | -3.43              | 17.38     | 0.055   | 100.000   | Pass    |
|                             |              |           | RB8#4                 | 20.84                           | -1.28              | -3.43              | 17.41     | 0.055   | 100.000   | Pass    |
|                             |              |           | RB8#7                 | 20.79                           | -1.28              | -3.43              | 17.36     | 0.054   | 100.000   | Pass    |
|                             |              |           | RB15#0                | 20.91                           | -1.28              | -3.43              | 17.48     | 0.056   | 100.000   | Pass    |
|                             | MCH          | QPSK      | RB1#0                 | 23.38                           | -1.28              | -3.43              | 19.95     | 0.099   | 100.000   | Pass    |
|                             |              |           | RB1#7                 | 23.47                           | -1.28              | -3.43              | 20.04     | 0.101   | 100.000   | Pass    |
|                             |              |           | RB1#14                | 23.43                           | -1.28              | -3.43              | 20.00     | 0.100   | 100.000   | Pass    |
|                             |              |           | RB8#0                 | 20.98                           | -1.28              | -3.43              | 17.55     | 0.057   | 100.000   | Pass    |
|                             |              |           | RB8#4                 | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 100.000   | Pass    |
|                             |              |           | RB8#7                 | 20.9                            | -1.28              | -3.43              | 17.47     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB15#0                | 20.89                           | -1.28              | -3.43              | 17.46     | 0.056   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.05                           | -1.28              | -3.43              | 19.62     | 0.092   | 100.000   | Pass    |
|                             |              |           | RB1#7                 | 23.06                           | -1.28              | -3.43              | 19.63     | 0.092   | 100.000   | Pass    |
|                             |              |           | RB1#14                | 23.05                           | -1.28              | -3.43              | 19.62     | 0.092   | 100.000   | Pass    |
|                             |              |           | RB8#0                 | 21.04                           | -1.28              | -3.43              | 17.61     | 0.058   | 100.000   | Pass    |
|                             |              |           | RB8#4                 | 21.06                           | -1.28              | -3.43              | 17.63     | 0.058   | 100.000   | Pass    |
|                             |              |           | RB8#7                 | 21.02                           | -1.28              | -3.43              | 17.59     | 0.057   | 100.000   | Pass    |
|                             |              |           | RB15#0                | 20.99                           | -1.28              | -3.43              | 17.56     | 0.057   | 100.000   | Pass    |
|                             | HCH          | QPSK      | RB1#0                 | 23.31                           | -1.28              | -3.43              | 19.88     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB1#7                 | 23.36                           | -1.28              | -3.43              | 19.93     | 0.098   | 100.000   | Pass    |
|                             |              |           | RB1#14                | 23.33                           | -1.28              | -3.43              | 19.90     | 0.098   | 100.000   | Pass    |
|                             |              |           | RB8#0                 | 20.79                           | -1.28              | -3.43              | 17.36     | 0.054   | 100.000   | Pass    |
|                             |              |           | RB8#4                 | 20.79                           | -1.28              | -3.43              | 17.36     | 0.054   | 100.000   | 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 |
|----------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|--------------------|-----------|---------|-----------|---------|
| LTE Band 26 (Part90) |              |           |                       |                                 |                    |                    |           |         |           |         |
|                      |              |           | RB8#7                 | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB15#0                | 20.93                           | -1.28              | -3.43              | 17.50     | 0.056   | 100.000   | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 23.02                           | -1.28              | -3.43              | 19.59     | 0.091   | 100.000   | Pass    |
|                      |              |           | RB1#7                 | 23.14                           | -1.28              | -3.43              | 19.71     | 0.094   | 100.000   | Pass    |
|                      |              |           | RB1#14                | 23.11                           | -1.28              | -3.43              | 19.68     | 0.093   | 100.000   | Pass    |
|                      |              |           | RB8#0                 | 21.06                           | -1.28              | -3.43              | 17.63     | 0.058   | 100.000   | Pass    |
|                      |              |           | RB8#4                 | 21.07                           | -1.28              | -3.43              | 17.64     | 0.058   | 100.000   | Pass    |
|                      |              |           | RB8#7                 | 21.06                           | -1.28              | -3.43              | 17.63     | 0.058   | 100.000   | Pass    |
|                      |              |           | RB15#0                | 20.89                           | -1.28              | -3.43              | 17.46     | 0.056   | 100.000   | Pass    |
| 5 MHz                | LCH          | QPSK      | RB1#0                 | 23.16                           | -1.28              | -3.43              | 19.73     | 0.094   | 100.000   | Pass    |
|                      |              |           | RB1#13                | 23.25                           | -1.28              | -3.43              | 19.82     | 0.096   | 100.000   | Pass    |
|                      |              |           | RB1#24                | 23.19                           | -1.28              | -3.43              | 19.76     | 0.095   | 100.000   | Pass    |
|                      |              |           | RB12#0                | 20.83                           | -1.28              | -3.43              | 17.40     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB12#6                | 20.88                           | -1.28              | -3.43              | 17.45     | 0.056   | 100.000   | Pass    |
|                      |              |           | RB12#13               | 20.82                           | -1.28              | -3.43              | 17.39     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB25#0                | 20.81                           | -1.28              | -3.43              | 17.38     | 0.055   | 100.000   | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 22.84                           | -1.28              | -3.43              | 19.41     | 0.087   | 100.000   | Pass    |
|                      |              |           | RB1#13                | 22.79                           | -1.28              | -3.43              | 19.36     | 0.086   | 100.000   | Pass    |
|                      |              |           | RB1#24                | 22.87                           | -1.28              | -3.43              | 19.44     | 0.088   | 100.000   | Pass    |
|                      |              |           | RB12#0                | 20.81                           | -1.28              | -3.43              | 17.38     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB12#6                | 20.8                            | -1.28              | -3.43              | 17.37     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB12#13               | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB25#0                | 20.98                           | -1.28              | -3.43              | 17.55     | 0.057   | 100.000   | Pass    |
|                      | MCH          | QPSK      | RB1#0                 | 23.47                           | -1.28              | -3.43              | 20.04     | 0.101   | 100.000   | Pass    |
|                      |              |           | RB1#13                | 23.46                           | -1.28              | -3.43              | 20.03     | 0.101   | 100.000   | Pass    |
|                      |              |           | RB1#24                | 23.51                           | -1.28              | -3.43              | 20.08     | 0.102   | 100.000   | Pass    |
|                      |              |           | RB12#0                | 20.9                            | -1.28              | -3.43              | 17.47     | 0.056   | 100.000   | Pass    |
|                      |              |           | RB12#6                | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 100.000   | Pass    |
|                      |              |           | RB12#13               | 20.91                           | -1.28              | -3.43              | 17.48     | 0.056   | 100.000   | Pass    |
|                      |              |           | RB25#0                | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 100.000   | Pass    |
|                      |              | 16-QAM    | RB1#0                 | 23.15                           | -1.28              | -3.43              | 19.72     | 0.094   | 100.000   | Pass    |
|                      |              |           | RB1#13                | 23.19                           | -1.28              | -3.43              | 19.76     | 0.095   | 100.000   | Pass    |
| RB1#24               |              |           | 23.23                 | -1.28                           | -3.43              | 19.80              | 0.095     | 100.000 | Pass      |         |
| RB12#0               |              |           | 20.88                 | -1.28                           | -3.43              | 17.45              | 0.056     | 100.000 | Pass      |         |
| RB12#6               |              |           | 21                    | -1.28                           | -3.43              | 17.57              | 0.057     | 100.000 | Pass      |         |
| RB12#13              |              |           | 20.92                 | -1.28                           | -3.43              | 17.49              | 0.056     | 100.000 | Pass      |         |
| RB25#0               |              |           | 21.09                 | -1.28                           | -3.43              | 17.66              | 0.058     | 100.000 | Pass      |         |
| HCH                  |              |           | QPSK                  | RB1#0                           | 23.19              | -1.28              | -3.43     | 19.76   | 0.095     | 100.000 |

| 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 (Part90)</b> |              |           |                       |                                 |                    |                    |           |         |           |         |
|                             |              |           | RB1#13                | 23.21                           | -1.28              | -3.43              | 19.78     | 0.095   | 100.000   | Pass    |
|                             |              |           | RB1#24                | 23.26                           | -1.28              | -3.43              | 19.83     | 0.096   | 100.000   | Pass    |
|                             |              |           | RB12#0                | 20.86                           | -1.28              | -3.43              | 17.43     | 0.055   | 100.000   | Pass    |
|                             |              |           | RB12#6                | 20.82                           | -1.28              | -3.43              | 17.39     | 0.055   | 100.000   | Pass    |
|                             |              |           | RB12#13               | 20.9                            | -1.28              | -3.43              | 17.47     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB25#0                | 20.85                           | -1.28              | -3.43              | 17.42     | 0.055   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.37                           | -1.28              | -3.43              | 19.94     | 0.099   | 100.000   | Pass    |
|                             |              |           | RB1#13                | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB1#24                | 23.36                           | -1.28              | -3.43              | 19.93     | 0.098   | 100.000   | Pass    |
|                             |              |           | RB12#0                | 20.91                           | -1.28              | -3.43              | 17.48     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB12#6                | 20.89                           | -1.28              | -3.43              | 17.46     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB12#13               | 20.93                           | -1.28              | -3.43              | 17.50     | 0.056   | 100.000   | Pass    |
|                             |              |           | RB25#0                | 21.06                           | -1.28              | -3.43              | 17.63     | 0.058   | 100.000   | Pass    |
|                             |              |           |                       |                                 |                    |                    |           |         |           |         |
| 10 MHz                      | MCH          | QPSK      | RB1#0                 | 23.22                           | -1.28              | -3.43              | 19.79     | 0.095   | 100.000   | Pass    |
|                             |              |           | RB1#25                | 23.29                           | -1.28              | -3.43              | 19.86     | 0.097   | 100.000   | Pass    |
|                             |              |           | RB1#49                | 23.27                           | -1.28              | -3.43              | 19.84     | 0.096   | 100.000   | Pass    |
|                             |              |           | RB25#0                | 21.33                           | -1.28              | -3.43              | 17.90     | 0.062   | 100.000   | Pass    |
|                             |              |           | RB25#13               | 21.25                           | -1.28              | -3.43              | 17.82     | 0.061   | 100.000   | Pass    |
|                             |              |           | RB25#25               | 21.35                           | -1.28              | -3.43              | 17.92     | 0.062   | 100.000   | Pass    |
|                             |              |           | RB50#0                | 21.34                           | -1.28              | -3.43              | 17.91     | 0.062   | 100.000   | Pass    |
|                             |              | 16-QAM    | RB1#0                 | 23.5                            | -1.28              | -3.43              | 20.07     | 0.102   | 100.000   | Pass    |
|                             |              |           | RB1#25                | 23.54                           | -1.28              | -3.43              | 20.11     | 0.103   | 100.000   | Pass    |
|                             |              |           | RB1#49                | 23.6                            | -1.28              | -3.43              | 20.17     | 0.104   | 100.000   | Pass    |
|                             |              |           | RB25#0                | 21.27                           | -1.28              | -3.43              | 17.84     | 0.061   | 100.000   | Pass    |
|                             |              |           | RB25#13               | 21.37                           | -1.28              | -3.43              | 17.94     | 0.062   | 100.000   | Pass    |
|                             |              |           | RB25#25               | 21.32                           | -1.28              | -3.43              | 17.89     | 0.062   | 100.000   | Pass    |
|                             |              |           | RB50#0                | 21.45                           | -1.28              | -3.43              | 18.02     | 0.063   | 100.000   | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz              | LCH          | QPSK      | RB1#0                 | 23.04                           | 1.44               | 24.48      | 0.281    | 2.000     | Pass    |
|                    |              |           | RB1#13                | 23.03                           | 1.44               | 24.47      | 0.280    | 2.000     | Pass    |
|                    |              |           | RB1#24                | 23.13                           | 1.44               | 24.57      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 22.12                           | 1.44               | 23.56      | 0.227    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 22.02                           | 1.44               | 23.46      | 0.222    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 22.07                           | 1.44               | 23.51      | 0.224    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.31                           | 1.44               | 24.75      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB1#13                | 23.29                           | 1.44               | 24.73      | 0.297    | 2.000     | Pass    |
|                    |              |           | RB1#24                | 23.2                            | 1.44               | 24.64      | 0.291    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.25                           | 1.44               | 22.69      | 0.186    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.21                           | 1.44               | 22.65      | 0.184    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.4                            | 1.44               | 22.84      | 0.192    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.98                           | 1.44               | 24.42      | 0.277    | 2.000     | Pass    |
|                    |              |           | RB1#13                | 22.89                           | 1.44               | 24.33      | 0.271    | 2.000     | Pass    |
|                    |              |           | RB1#24                | 23.04                           | 1.44               | 24.48      | 0.281    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.99                           | 1.44               | 23.43      | 0.220    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 22.09                           | 1.44               | 23.53      | 0.225    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.98                           | 1.44               | 23.42      | 0.220    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.99                           | 1.44               | 23.43      | 0.220    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.3                            | 1.44               | 23.74      | 0.237    | 2.000     | Pass    |
|                    |              |           | RB1#13                | 22.44                           | 1.44               | 23.88      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB1#24                | 22.34                           | 1.44               | 23.78      | 0.239    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 20.81                           | 1.44               | 22.25      | 0.168    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 20.9                            | 1.44               | 22.34      | 0.171    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 20.94                           | 1.44               | 22.38      | 0.173    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.44                           | 1.44               | 22.88      | 0.194    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.35                           | 1.44               | 24.79      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB1#13                | 23.44                           | 1.44               | 24.88      | 0.308    | 2.000     | Pass    |
|                    |              |           | RB1#24                | 23.44                           | 1.44               | 24.88      | 0.308    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 22.29                           | 1.44               | 23.73      | 0.236    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 22.41                           | 1.44               | 23.85      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 22.29                           | 1.44               | 23.73      | 0.236    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 22.27                           | 1.44               | 23.71      | 0.235    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.79                           | 1.44               | 24.23      | 0.265    | 2.000     | Pass    |
|                    |              |           | RB1#13                | 22.78                           | 1.44               | 24.22      | 0.264    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz             |              |           | RB1#24                | 22.83                           | 1.44               | 24.27      | 0.267    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.24                           | 1.44               | 22.68      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 21.31                           | 1.44               | 22.75      | 0.188    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.31                           | 1.44               | 22.75      | 0.188    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.58                           | 1.44               | 23.02      | 0.200    | 2.000     | Pass    |
|                    | LCH          | QPSK      | RB1#0                 | 23.29                           | 1.44               | 24.73      | 0.297    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.21                           | 1.44               | 24.65      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.1                            | 1.44               | 24.54      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 22.07                           | 1.44               | 23.51      | 0.224    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 22.1                            | 1.44               | 23.54      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 22.02                           | 1.44               | 23.46      | 0.222    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.69                           | 1.44               | 23.13      | 0.206    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.14                           | 1.44               | 24.58      | 0.287    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.29                           | 1.44               | 24.73      | 0.297    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.28                           | 1.44               | 24.72      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.17                           | 1.44               | 22.61      | 0.182    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.07                           | 1.44               | 22.51      | 0.178    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.86                           | 1.44               | 22.30      | 0.170    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.27                           | 1.44               | 24.71      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.21                           | 1.44               | 24.65      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.26                           | 1.44               | 24.70      | 0.295    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.96                           | 1.44               | 23.40      | 0.219    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.98                           | 1.44               | 23.42      | 0.220    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 22.12                           | 1.44               | 23.56      | 0.227    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.66                           | 1.44               | 23.10      | 0.204    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.12                           | 1.44               | 24.56      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.11                           | 1.44               | 24.55      | 0.285    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.09                           | 1.44               | 24.53      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.33                           | 1.44               | 22.77      | 0.189    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.32                           | 1.44               | 22.76      | 0.189    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.31                           | 1.44               | 22.75      | 0.188    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.79                           | 1.44               | 22.23      | 0.167    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.19                           | 1.44               | 24.63      | 0.290    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.21                           | 1.44               | 24.65      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.22                           | 1.44               | 24.66      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 22.28                           | 1.44               | 23.72      | 0.236    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 22.34                           | 1.44               | 23.78      | 0.239    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 38</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz             | LCH          |           | RB25#25               | 22.34                           | 1.44               | 23.78      | 0.239    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.96                           | 1.44               | 23.40      | 0.219    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.54                           | 1.44               | 24.98      | 0.315    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.61                           | 1.44               | 25.05      | 0.320    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.65                           | 1.44               | 25.09      | 0.323    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.47                           | 1.44               | 22.91      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.51                           | 1.44               | 22.95      | 0.197    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.55                           | 1.44               | 22.99      | 0.199    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 23.24                           | 1.44               | 24.68      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.13                           | 1.44               | 24.57      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.07                           | 1.44               | 24.51      | 0.282    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 22.05                           | 1.44               | 23.49      | 0.223    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 22.05                           | 1.44               | 23.49      | 0.223    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 22.07                           | 1.44               | 23.51      | 0.224    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.68                           | 1.44               | 23.12      | 0.205    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.21                           | 1.44               | 24.65      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.2                            | 1.44               | 24.64      | 0.291    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.15                           | 1.44               | 24.59      | 0.288    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.09                           | 1.44               | 22.53      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.16                           | 1.44               | 22.60      | 0.182    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.16                           | 1.44               | 22.60      | 0.182    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.82                           | 1.44               | 22.26      | 0.168    | 2.000     | Pass    |
| 15 MHz             | MCH          | QPSK      | RB1#0                 | 23.24                           | 1.44               | 24.68      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.24                           | 1.44               | 24.68      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.35                           | 1.44               | 24.79      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 22.1                            | 1.44               | 23.54      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 22.06                           | 1.44               | 23.50      | 0.224    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 22.14                           | 1.44               | 23.58      | 0.228    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.69                           | 1.44               | 23.13      | 0.206    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.09                           | 1.44               | 24.53      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.15                           | 1.44               | 24.59      | 0.288    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.13                           | 1.44               | 24.57      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.12                           | 1.44               | 22.56      | 0.180    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 20.97                           | 1.44               | 22.41      | 0.174    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.82                           | 1.44               | 22.26      | 0.168    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.22                           | 1.44               | 24.66      | 0.292    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              |           | RB1#38                | 23.3                            | 1.44               | 24.74      | 0.298    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.32                           | 1.44               | 24.76      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 22.19                           | 1.44               | 23.63      | 0.231    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 22.27                           | 1.44               | 23.71      | 0.235    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 22.2                            | 1.44               | 23.64      | 0.231    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.92                           | 1.44               | 23.36      | 0.217    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.14                           | 1.44               | 24.58      | 0.287    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.13                           | 1.44               | 24.57      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.18                           | 1.44               | 24.62      | 0.290    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.35                           | 1.44               | 22.79      | 0.190    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.46                           | 1.44               | 22.90      | 0.195    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.43                           | 1.44               | 22.87      | 0.194    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.01                           | 1.44               | 22.45      | 0.176    | 2.000     | Pass    |
| 20 MHz             | LCH          | QPSK      | RB1#0                 | 23.12                           | 1.44               | 24.56      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 23.02                           | 1.44               | 24.46      | 0.279    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 23.11                           | 1.44               | 24.55      | 0.285    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 22.16                           | 1.44               | 23.60      | 0.229    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 22.03                           | 1.44               | 23.47      | 0.222    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.68                           | 1.44               | 23.12      | 0.205    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.87                           | 1.44               | 24.31      | 0.270    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.81                           | 1.44               | 24.25      | 0.266    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 22.7                            | 1.44               | 24.14      | 0.259    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 21.29                           | 1.44               | 22.73      | 0.187    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.13                           | 1.44               | 22.57      | 0.181    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.67                           | 1.44               | 24.11      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.74                           | 1.44               | 24.18      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 22.86                           | 1.44               | 24.30      | 0.269    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 22.02                           | 1.44               | 23.46      | 0.222    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 22                              | 1.44               | 23.44      | 0.221    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 22.06                           | 1.44               | 23.50      | 0.224    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.71                           | 1.44               | 23.15      | 0.207    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.68                           | 1.44               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.82                           | 1.44               | 24.26      | 0.267    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 23.35                           | 1.44               | 24.79      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.12                           | 1.44               | 22.56      | 0.180    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 38</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              |           | RB50#25               | 21.16                           | 1.44               | 22.60      | 0.182    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.02                           | 1.44               | 22.46      | 0.176    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.04                           | 1.44               | 22.48      | 0.177    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.22                           | 1.44               | 24.66      | 0.292    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 23.28                           | 1.44               | 24.72      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 23.35                           | 1.44               | 24.79      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 22.15                           | 1.44               | 23.59      | 0.229    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 22.15                           | 1.44               | 23.59      | 0.229    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 22.33                           | 1.44               | 23.77      | 0.238    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.85                           | 1.44               | 23.29      | 0.213    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.64                           | 1.44               | 24.08      | 0.256    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.75                           | 1.44               | 24.19      | 0.262    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 23.2                            | 1.44               | 24.64      | 0.291    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.28                           | 1.44               | 22.72      | 0.187    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 21.36                           | 1.44               | 22.80      | 0.191    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.33                           | 1.44               | 22.77      | 0.189    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.3                            | 1.44               | 22.74      | 0.188    | 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 41</b> |              |           |                        |                                 |                    |            |          |           |         |
| 5 MHz              | LCH          | QPSK      | RB1#0                  | 23.02                           | 1.44               | 24.46      | 0.279    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 23.05                           | 1.44               | 24.49      | 0.281    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 23.08                           | 1.44               | 24.52      | 0.283    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 21.9                            | 1.44               | 23.34      | 0.216    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 21.87                           | 1.44               | 23.31      | 0.214    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 21.94                           | 1.44               | 23.38      | 0.218    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.86                           | 1.44               | 23.30      | 0.214    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 21.81                           | 1.44               | 23.25      | 0.211    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 21.88                           | 1.44               | 23.32      | 0.215    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 21.9                            | 1.44               | 23.34      | 0.216    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 20.99                           | 1.44               | 22.43      | 0.175    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 20.9                            | 1.44               | 22.34      | 0.171    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 21.03                           | 1.44               | 22.47      | 0.177    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 23.13                           | 1.44               | 24.57      | 0.286    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 23.2                            | 1.44               | 24.64      | 0.291    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 23.07                           | 1.44               | 24.51      | 0.282    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 22.1                            | 1.44               | 23.54      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 22.1                            | 1.44               | 23.54      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 22.04                           | 1.44               | 23.48      | 0.223    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 22.08                           | 1.44               | 23.52      | 0.225    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.51                           | 1.44               | 23.95      | 0.248    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 22.53                           | 1.44               | 23.97      | 0.249    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 22.44                           | 1.44               | 23.88      | 0.244    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 21.13                           | 1.44               | 22.57      | 0.181    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 21.12                           | 1.44               | 22.56      | 0.180    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 21.1                            | 1.44               | 22.54      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 21.38                           | 1.44               | 22.82      | 0.191    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 23.29                           | 1.44               | 24.73      | 0.297    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 23.39                           | 1.44               | 24.83      | 0.304    | 2.000     | Pass    |
|                    |              |           | RB1#24                 | 23.35                           | 1.44               | 24.79      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB12#0                 | 22.47                           | 1.44               | 23.91      | 0.246    | 2.000     | Pass    |
|                    |              |           | RB12#6                 | 22.37                           | 1.44               | 23.81      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB12#13                | 22.35                           | 1.44               | 23.79      | 0.239    | 2.000     | Pass    |
|                    |              |           | RB25#0                 | 22.39                           | 1.44               | 23.83      | 0.242    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 23.6                            | 1.44               | 25.04      | 0.319    | 2.000     | Pass    |
|                    |              |           | RB1#13                 | 23.61                           | 1.44               | 25.05      | 0.320    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz             |              |           | RB1#24                | 23.56                           | 1.44               | 25.00      | 0.316    | 2.000     | Pass    |
|                    |              |           | RB12#0                | 21.58                           | 1.44               | 23.02      | 0.200    | 2.000     | Pass    |
|                    |              |           | RB12#6                | 21.57                           | 1.44               | 23.01      | 0.200    | 2.000     | Pass    |
|                    |              |           | RB12#13               | 21.53                           | 1.44               | 22.97      | 0.198    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.71                           | 1.44               | 23.15      | 0.207    | 2.000     | Pass    |
|                    | LCH          | QPSK      | RB1#0                 | 22.91                           | 1.44               | 24.35      | 0.272    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.97                           | 1.44               | 24.41      | 0.276    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 22.9                            | 1.44               | 24.34      | 0.272    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.97                           | 1.44               | 23.41      | 0.219    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.94                           | 1.44               | 23.38      | 0.218    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.93                           | 1.44               | 23.37      | 0.217    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.58                           | 1.44               | 23.02      | 0.200    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.77                           | 1.44               | 24.21      | 0.264    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.92                           | 1.44               | 24.36      | 0.273    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23                              | 1.44               | 24.44      | 0.278    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 20.98                           | 1.44               | 22.42      | 0.175    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.01                           | 1.44               | 22.45      | 0.176    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.03                           | 1.44               | 22.47      | 0.177    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.1                            | 1.44               | 24.54      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.25                           | 1.44               | 24.69      | 0.294    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.23                           | 1.44               | 24.67      | 0.293    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 22.06                           | 1.44               | 23.50      | 0.224    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 22.12                           | 1.44               | 23.56      | 0.227    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.76                           | 1.44               | 23.20      | 0.209    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.73                           | 1.44               | 24.17      | 0.261    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 22.68                           | 1.44               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 22.76                           | 1.44               | 24.20      | 0.263    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.22                           | 1.44               | 22.66      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.29                           | 1.44               | 22.73      | 0.187    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.24                           | 1.44               | 22.68      | 0.185    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 20.89                           | 1.44               | 22.33      | 0.171    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.32                           | 1.44               | 24.76      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.34                           | 1.44               | 24.78      | 0.301    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.3                            | 1.44               | 24.74      | 0.298    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 22.41                           | 1.44               | 23.85      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 22.42                           | 1.44               | 23.86      | 0.243    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 41</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz             | LCH          | 16-QAM    | RB25#25               | 22.5                            | 1.44               | 23.94      | 0.248    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 22.04                           | 1.44               | 23.48      | 0.223    | 2.000     | Pass    |
|                    |              |           | RB1#0                 | 23.73                           | 1.44               | 25.17      | 0.329    | 2.000     | Pass    |
|                    |              |           | RB1#25                | 23.73                           | 1.44               | 25.17      | 0.329    | 2.000     | Pass    |
|                    |              |           | RB1#49                | 23.69                           | 1.44               | 25.13      | 0.326    | 2.000     | Pass    |
|                    |              |           | RB25#0                | 21.59                           | 1.44               | 23.03      | 0.201    | 2.000     | Pass    |
|                    |              |           | RB25#13               | 21.61                           | 1.44               | 23.05      | 0.202    | 2.000     | Pass    |
|                    |              |           | RB25#25               | 21.71                           | 1.44               | 23.15      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.21                           | 1.44               | 22.65      | 0.184    | 2.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 22.89                           | 1.44               | 24.33      | 0.271    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23                              | 1.44               | 24.44      | 0.278    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23                              | 1.44               | 24.44      | 0.278    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.88                           | 1.44               | 23.32      | 0.215    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.93                           | 1.44               | 23.37      | 0.217    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 22.01                           | 1.44               | 23.45      | 0.221    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.53                           | 1.44               | 22.97      | 0.198    | 2.000     | Pass    |
|                    |              |           | RB1#0                 | 22.86                           | 1.44               | 24.30      | 0.269    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.06                           | 1.44               | 24.50      | 0.282    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 22.94                           | 1.44               | 24.38      | 0.274    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 20.98                           | 1.44               | 22.42      | 0.175    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.06                           | 1.44               | 22.50      | 0.178    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.18                           | 1.44               | 22.62      | 0.183    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.69                           | 1.44               | 22.13      | 0.163    | 2.000     | Pass    |
| 15 MHz             | MCH          | QPSK      | RB1#0                 | 23.17                           | 1.44               | 24.61      | 0.289    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.1                            | 1.44               | 24.54      | 0.284    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.23                           | 1.44               | 24.67      | 0.293    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 22.03                           | 1.44               | 23.47      | 0.222    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 22.05                           | 1.44               | 23.49      | 0.223    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.71                           | 1.44               | 23.15      | 0.207    | 2.000     | Pass    |
|                    |              |           | RB1#0                 | 22.68                           | 1.44               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 22.79                           | 1.44               | 24.23      | 0.265    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 22.76                           | 1.44               | 24.20      | 0.263    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.14                           | 1.44               | 22.58      | 0.181    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.68                           | 1.44               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 22.79                           | 1.44               | 24.23      | 0.265    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 22.76                           | 1.44               | 24.20      | 0.263    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.14                           | 1.44               | 22.58      | 0.181    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
|                    |              |           | RB1#0                 | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
| 15 MHz             | HCH          | QPSK      | RB1#0                 | 23.4                            | 1.44               | 24.84      | 0.305    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.4                            | 1.44               | 24.84      | 0.305    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.4                            | 1.44               | 24.84      | 0.305    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.14                           | 1.44               | 22.58      | 0.181    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
|                    |              |           | RB1#0                 | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.68                           | 1.44               | 24.12      | 0.258    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 22.79                           | 1.44               | 24.23      | 0.265    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 22.76                           | 1.44               | 24.20      | 0.263    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.14                           | 1.44               | 22.58      | 0.181    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |
|                    |              |           | RB1#0                 | 20.83                           | 1.44               | 22.27      | 0.169    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              |           | RB1#38                | 23.37                           | 1.44               | 24.81      | 0.303    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.46                           | 1.44               | 24.90      | 0.309    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 22.46                           | 1.44               | 23.90      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 22.37                           | 1.44               | 23.81      | 0.240    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 22.35                           | 1.44               | 23.79      | 0.239    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.94                           | 1.44               | 23.38      | 0.218    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.28                           | 1.44               | 24.72      | 0.296    | 2.000     | Pass    |
|                    |              |           | RB1#38                | 23.31                           | 1.44               | 24.75      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB1#74                | 23.31                           | 1.44               | 24.75      | 0.299    | 2.000     | Pass    |
|                    |              |           | RB36#0                | 21.51                           | 1.44               | 22.95      | 0.197    | 2.000     | Pass    |
|                    |              |           | RB36#19               | 21.58                           | 1.44               | 23.02      | 0.200    | 2.000     | Pass    |
|                    |              |           | RB36#39               | 21.57                           | 1.44               | 23.01      | 0.200    | 2.000     | Pass    |
|                    |              |           | RB75#0                | 21.19                           | 1.44               | 22.63      | 0.183    | 2.000     | Pass    |
| 20 MHz             | LCH          | QPSK      | RB1#0                 | 22.92                           | 1.44               | 24.36      | 0.273    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 23.03                           | 1.44               | 24.47      | 0.280    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 22.96                           | 1.44               | 24.40      | 0.275    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.9                            | 1.44               | 23.34      | 0.216    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 21.91                           | 1.44               | 23.35      | 0.216    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.92                           | 1.44               | 23.36      | 0.217    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.45                           | 1.44               | 22.89      | 0.195    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.28                           | 1.44               | 23.72      | 0.236    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.29                           | 1.44               | 23.73      | 0.236    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 22.24                           | 1.44               | 23.68      | 0.233    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.02                           | 1.44               | 22.46      | 0.176    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 21.09                           | 1.44               | 22.53      | 0.179    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.06                           | 1.44               | 22.50      | 0.178    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 20.92                           | 1.44               | 22.36      | 0.172    | 2.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 22.97                           | 1.44               | 24.41      | 0.276    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.97                           | 1.44               | 24.41      | 0.276    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 23.08                           | 1.44               | 24.52      | 0.283    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 22.07                           | 1.44               | 23.51      | 0.224    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 22.01                           | 1.44               | 23.45      | 0.221    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 22.11                           | 1.44               | 23.55      | 0.226    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.71                           | 1.44               | 23.15      | 0.207    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.19                           | 1.44               | 23.63      | 0.231    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.33                           | 1.44               | 23.77      | 0.238    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 22.41                           | 1.44               | 23.85      | 0.243    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.08                           | 1.44               | 22.52      | 0.179    | 2.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 41</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              |           | RB50#25               | 21.18                           | 1.44               | 22.62      | 0.183    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.2                            | 1.44               | 22.64      | 0.184    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.32                           | 1.44               | 22.76      | 0.189    | 2.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.58                           | 1.44               | 25.02      | 0.318    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 23.59                           | 1.44               | 25.03      | 0.318    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 23.54                           | 1.44               | 24.98      | 0.315    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 22.45                           | 1.44               | 23.89      | 0.245    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 22.39                           | 1.44               | 23.83      | 0.242    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 22.33                           | 1.44               | 23.77      | 0.238    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.93                           | 1.44               | 23.37      | 0.217    | 2.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.92                           | 1.44               | 24.36      | 0.273    | 2.000     | Pass    |
|                    |              |           | RB1#50                | 22.58                           | 1.44               | 24.02      | 0.252    | 2.000     | Pass    |
|                    |              |           | RB1#99                | 22.63                           | 1.44               | 24.07      | 0.255    | 2.000     | Pass    |
|                    |              |           | RB50#0                | 21.64                           | 1.44               | 23.08      | 0.203    | 2.000     | Pass    |
|                    |              |           | RB50#25               | 21.67                           | 1.44               | 23.11      | 0.205    | 2.000     | Pass    |
|                    |              |           | RB50#50               | 21.69                           | 1.44               | 23.13      | 0.206    | 2.000     | Pass    |
|                    |              |           | RB100#0               | 21.44                           | 1.44               | 22.88      | 0.194    | 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 66</b> |              |           |                        |                                 |                    |            |          |           |         |
| 1.4 MHz            | LCH          | QPSK      | RB1#0                  | 23.3                            | 1.59               | 24.89      | 0.308    | 1.000     | Pass    |
|                    |              |           | RB1#3                  | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB1#5                  | 23.34                           | 1.59               | 24.93      | 0.311    | 1.000     | Pass    |
|                    |              |           | RB3#0                  | 23.36                           | 1.59               | 24.95      | 0.313    | 1.000     | Pass    |
|                    |              |           | RB3#2                  | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB3#3                  | 23.37                           | 1.59               | 24.96      | 0.313    | 1.000     | Pass    |
|                    |              |           | RB6#0                  | 22.43                           | 1.59               | 24.02      | 0.252    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 23.47                           | 1.59               | 25.06      | 0.321    | 1.000     | Pass    |
|                    |              |           | RB1#3                  | 23.5                            | 1.59               | 25.09      | 0.323    | 1.000     | Pass    |
|                    |              |           | RB1#5                  | 23.51                           | 1.59               | 25.10      | 0.324    | 1.000     | Pass    |
|                    |              |           | RB3#0                  | 22.51                           | 1.59               | 24.10      | 0.257    | 1.000     | Pass    |
|                    |              |           | RB3#2                  | 22.6                            | 1.59               | 24.19      | 0.262    | 1.000     | Pass    |
|                    |              |           | RB3#3                  | 22.55                           | 1.59               | 24.14      | 0.259    | 1.000     | Pass    |
|                    |              |           | RB6#0                  | 21.54                           | 1.59               | 23.13      | 0.206    | 1.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                  | 23.37                           | 1.59               | 24.96      | 0.313    | 1.000     | Pass    |
|                    |              |           | RB1#3                  | 23.38                           | 1.59               | 24.97      | 0.314    | 1.000     | Pass    |
|                    |              |           | RB1#5                  | 23.42                           | 1.59               | 25.01      | 0.317    | 1.000     | Pass    |
|                    |              |           | RB3#0                  | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB3#2                  | 23.27                           | 1.59               | 24.86      | 0.306    | 1.000     | Pass    |
|                    |              |           | RB3#3                  | 23.32                           | 1.59               | 24.91      | 0.310    | 1.000     | Pass    |
|                    |              |           | RB6#0                  | 22.34                           | 1.59               | 23.93      | 0.247    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.7                            | 1.59               | 24.29      | 0.269    | 1.000     | Pass    |
|                    |              |           | RB1#3                  | 22.74                           | 1.59               | 24.33      | 0.271    | 1.000     | Pass    |
|                    |              |           | RB1#5                  | 22.71                           | 1.59               | 24.30      | 0.269    | 1.000     | Pass    |
|                    |              |           | RB3#0                  | 22.13                           | 1.59               | 23.72      | 0.236    | 1.000     | Pass    |
|                    |              |           | RB3#2                  | 22.19                           | 1.59               | 23.78      | 0.239    | 1.000     | Pass    |
|                    |              |           | RB3#3                  | 22.24                           | 1.59               | 23.83      | 0.242    | 1.000     | Pass    |
|                    |              |           | RB6#0                  | 21.35                           | 1.59               | 22.94      | 0.197    | 1.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                  | 23.22                           | 1.59               | 24.81      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB1#3                  | 23.2                            | 1.59               | 24.79      | 0.301    | 1.000     | Pass    |
|                    |              |           | RB1#5                  | 23.17                           | 1.59               | 24.76      | 0.299    | 1.000     | Pass    |
|                    |              |           | RB3#0                  | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB3#2                  | 23.34                           | 1.59               | 24.93      | 0.311    | 1.000     | Pass    |
|                    |              |           | RB3#3                  | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB6#0                  | 22.24                           | 1.59               | 23.83      | 0.242    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                  | 22.47                           | 1.59               | 24.06      | 0.255    | 1.000     | Pass    |
|                    |              |           | RB1#3                  | 22.41                           | 1.59               | 24.00      | 0.251    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 3 MHz              | LCH          | QPSK      | RB1#5                 | 22.48                           | 1.59               | 24.07      | 0.255    | 1.000     | Pass    |
|                    |              |           | RB3#0                 | 22.39                           | 1.59               | 23.98      | 0.250    | 1.000     | Pass    |
|                    |              |           | RB3#2                 | 22.39                           | 1.59               | 23.98      | 0.250    | 1.000     | Pass    |
|                    |              |           | RB3#3                 | 22.4                            | 1.59               | 23.99      | 0.251    | 1.000     | Pass    |
|                    |              |           | RB6#0                 | 21.45                           | 1.59               | 23.04      | 0.201    | 1.000     | Pass    |
|                    |              |           | RB1#0                 | 23.21                           | 1.59               | 24.80      | 0.302    | 1.000     | Pass    |
|                    |              |           | RB1#7                 | 23.27                           | 1.59               | 24.86      | 0.306    | 1.000     | Pass    |
|                    |              |           | RB1#14                | 23.28                           | 1.59               | 24.87      | 0.307    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB8#0                 | 22.28                           | 1.59               | 23.87      | 0.244    | 1.000     | Pass    |
|                    |              |           | RB8#4                 | 22.35                           | 1.59               | 23.94      | 0.248    | 1.000     | Pass    |
|                    |              |           | RB8#7                 | 22.35                           | 1.59               | 23.94      | 0.248    | 1.000     | Pass    |
|                    |              |           | RB15#0                | 22.35                           | 1.59               | 23.94      | 0.248    | 1.000     | Pass    |
|                    |              |           | RB1#0                 | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB1#7                 | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB1#14                | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB8#0                 | 21.4                            | 1.59               | 22.99      | 0.199    | 1.000     | Pass    |
|                    |              |           | RB8#4                 | 21.39                           | 1.59               | 22.98      | 0.199    | 1.000     | Pass    |
|                    |              |           | RB8#7                 | 21.38                           | 1.59               | 22.97      | 0.198    | 1.000     | Pass    |
|                    |              |           | RB15#0                | 21.54                           | 1.59               | 23.13      | 0.206    | 1.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.32                           | 1.59               | 24.91      | 0.310    | 1.000     | Pass    |
|                    |              |           | RB1#7                 | 23.38                           | 1.59               | 24.97      | 0.314    | 1.000     | Pass    |
|                    |              |           | RB1#14                | 23.33                           | 1.59               | 24.92      | 0.310    | 1.000     | Pass    |
|                    |              |           | RB8#0                 | 22.31                           | 1.59               | 23.90      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB8#4                 | 22.29                           | 1.59               | 23.88      | 0.244    | 1.000     | Pass    |
|                    |              |           | RB8#7                 | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB15#0                | 22.36                           | 1.59               | 23.95      | 0.248    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.7                            | 1.59               | 24.29      | 0.269    | 1.000     | Pass    |
|                    |              |           | RB1#7                 | 22.62                           | 1.59               | 24.21      | 0.264    | 1.000     | Pass    |
|                    |              |           | RB1#14                | 22.62                           | 1.59               | 24.21      | 0.264    | 1.000     | Pass    |
|                    |              |           | RB8#0                 | 21.64                           | 1.59               | 23.23      | 0.210    | 1.000     | Pass    |
|                    |              |           | RB8#4                 | 21.7                            | 1.59               | 23.29      | 0.213    | 1.000     | Pass    |
|                    |              |           | RB8#7                 | 21.68                           | 1.59               | 23.27      | 0.212    | 1.000     | Pass    |
|                    |              |           | RB15#0                | 21.5                            | 1.59               | 23.09      | 0.204    | 1.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.25                           | 1.59               | 24.84      | 0.305    | 1.000     | Pass    |
|                    |              |           | RB1#7                 | 23.28                           | 1.59               | 24.87      | 0.307    | 1.000     | Pass    |
|                    |              |           | RB1#14                | 23.16                           | 1.59               | 24.75      | 0.299    | 1.000     | Pass    |
|                    |              |           | RB8#0                 | 22.2                            | 1.59               | 23.79      | 0.239    | 1.000     | Pass    |
|                    |              |           | RB8#4                 | 22.25                           | 1.59               | 23.84      | 0.242    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 5 MHz              | LCH          | 16-QAM    | RB8#7                 | 22.21                           | 1.59               | 23.80      | 0.240    | 1.000     | Pass    |
|                    |              |           | RB15#0                | 22.21                           | 1.59               | 23.80      | 0.240    | 1.000     | Pass    |
|                    |              |           | RB1#0                 | 22.48                           | 1.59               | 24.07      | 0.255    | 1.000     | Pass    |
|                    |              |           | RB1#7                 | 22.44                           | 1.59               | 24.03      | 0.253    | 1.000     | Pass    |
|                    |              |           | RB1#14                | 22.43                           | 1.59               | 24.02      | 0.252    | 1.000     | Pass    |
|                    |              |           | RB8#0                 | 21.36                           | 1.59               | 22.95      | 0.197    | 1.000     | Pass    |
|                    |              |           | RB8#4                 | 21.4                            | 1.59               | 22.99      | 0.199    | 1.000     | Pass    |
|                    |              |           | RB8#7                 | 21.37                           | 1.59               | 22.96      | 0.198    | 1.000     | Pass    |
|                    |              |           | RB15#0                | 21.33                           | 1.59               | 22.92      | 0.196    | 1.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 23.3                            | 1.59               | 24.89      | 0.308    | 1.000     | Pass    |
|                    |              |           | RB1#13                | 23.23                           | 1.59               | 24.82      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB1#24                | 23.25                           | 1.59               | 24.84      | 0.305    | 1.000     | Pass    |
|                    |              |           | RB12#0                | 22.29                           | 1.59               | 23.88      | 0.244    | 1.000     | Pass    |
|                    |              |           | RB12#6                | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB12#13               | 22.3                            | 1.59               | 23.89      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.24                           | 1.59               | 23.83      | 0.242    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.24                           | 1.59               | 23.83      | 0.242    | 1.000     | Pass    |
|                    | MCH          | 16-QAM    | RB1#0                 | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB1#13                | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB1#24                | 22.22                           | 1.59               | 23.81      | 0.240    | 1.000     | Pass    |
|                    |              |           | RB12#0                | 21.38                           | 1.59               | 22.97      | 0.198    | 1.000     | Pass    |
|                    |              |           | RB12#6                | 21.44                           | 1.59               | 23.03      | 0.201    | 1.000     | Pass    |
|                    |              |           | RB12#13               | 21.41                           | 1.59               | 23.00      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.52                           | 1.59               | 23.11      | 0.205    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.52                           | 1.59               | 23.11      | 0.205    | 1.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 23.5                            | 1.59               | 25.09      | 0.323    | 1.000     | Pass    |
|                    |              |           | RB1#13                | 23.49                           | 1.59               | 25.08      | 0.322    | 1.000     | Pass    |
|                    |              |           | RB1#24                | 23.52                           | 1.59               | 25.11      | 0.324    | 1.000     | Pass    |
|                    |              |           | RB12#0                | 22.39                           | 1.59               | 23.98      | 0.250    | 1.000     | Pass    |
|                    |              |           | RB12#6                | 22.3                            | 1.59               | 23.89      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB12#13               | 22.28                           | 1.59               | 23.87      | 0.244    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.26                           | 1.59               | 23.85      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.26                           | 1.59               | 23.85      | 0.243    | 1.000     | Pass    |
|                    | HCH          | 16-QAM    | RB1#0                 | 22.77                           | 1.59               | 24.36      | 0.273    | 1.000     | Pass    |
|                    |              |           | RB1#13                | 22.74                           | 1.59               | 24.33      | 0.271    | 1.000     | Pass    |
|                    |              |           | RB1#24                | 22.79                           | 1.59               | 24.38      | 0.274    | 1.000     | Pass    |
|                    |              |           | RB12#0                | 21.43                           | 1.59               | 23.02      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB12#6                | 21.51                           | 1.59               | 23.10      | 0.204    | 1.000     | Pass    |
|                    |              |           | RB12#13               | 21.44                           | 1.59               | 23.03      | 0.201    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.53                           | 1.59               | 23.12      | 0.205    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.53                           | 1.59               | 23.12      | 0.205    | 1.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 23.09                           | 1.59               | 24.68      | 0.294    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              |           | RB1#13                | 23.08                           | 1.59               | 24.67      | 0.293    | 1.000     | Pass    |
|                    |              |           | RB1#24                | 23.02                           | 1.59               | 24.61      | 0.289    | 1.000     | Pass    |
|                    |              |           | RB12#0                | 22.17                           | 1.59               | 23.76      | 0.238    | 1.000     | Pass    |
|                    |              |           | RB12#6                | 22.18                           | 1.59               | 23.77      | 0.238    | 1.000     | Pass    |
|                    |              |           | RB12#13               | 22.14                           | 1.59               | 23.73      | 0.236    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.21                           | 1.59               | 23.80      | 0.240    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.68                           | 1.59               | 24.27      | 0.267    | 1.000     | Pass    |
|                    |              |           | RB1#13                | 22.65                           | 1.59               | 24.24      | 0.265    | 1.000     | Pass    |
|                    |              |           | RB1#24                | 22.62                           | 1.59               | 24.21      | 0.264    | 1.000     | Pass    |
|                    |              |           | RB12#0                | 21.26                           | 1.59               | 22.85      | 0.193    | 1.000     | Pass    |
|                    |              |           | RB12#6                | 21.24                           | 1.59               | 22.83      | 0.192    | 1.000     | Pass    |
|                    |              |           | RB12#13               | 21.28                           | 1.59               | 22.87      | 0.194    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.4                            | 1.59               | 22.99      | 0.199    | 1.000     | Pass    |
|                    |              |           |                       |                                 |                    |            |          |           |         |
| 10 MHz             | LCH          | QPSK      | RB1#0                 | 23.25                           | 1.59               | 24.84      | 0.305    | 1.000     | Pass    |
|                    |              |           | RB1#25                | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB1#49                | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.37                           | 1.59               | 23.96      | 0.249    | 1.000     | Pass    |
|                    |              |           | RB25#13               | 22.19                           | 1.59               | 23.78      | 0.239    | 1.000     | Pass    |
|                    |              |           | RB25#25               | 22.2                            | 1.59               | 23.79      | 0.239    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 22.14                           | 1.59               | 23.73      | 0.236    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.2                            | 1.59               | 24.79      | 0.301    | 1.000     | Pass    |
|                    |              |           | RB1#25                | 23.27                           | 1.59               | 24.86      | 0.306    | 1.000     | Pass    |
|                    |              |           | RB1#49                | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.36                           | 1.59               | 22.95      | 0.197    | 1.000     | Pass    |
|                    |              |           | RB25#13               | 21.32                           | 1.59               | 22.91      | 0.195    | 1.000     | Pass    |
|                    |              |           | RB25#25               | 21.35                           | 1.59               | 22.94      | 0.197    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 21.32                           | 1.59               | 22.91      | 0.195    | 1.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.3                            | 1.59               | 24.89      | 0.308    | 1.000     | Pass    |
|                    |              |           | RB1#25                | 23.35                           | 1.59               | 24.94      | 0.312    | 1.000     | Pass    |
|                    |              |           | RB1#49                | 23.29                           | 1.59               | 24.88      | 0.308    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.34                           | 1.59               | 23.93      | 0.247    | 1.000     | Pass    |
|                    |              |           | RB25#13               | 22.23                           | 1.59               | 23.82      | 0.241    | 1.000     | Pass    |
|                    |              |           | RB25#25               | 22.4                            | 1.59               | 23.99      | 0.251    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 22.33                           | 1.59               | 23.92      | 0.247    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.23                           | 1.59               | 24.82      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB1#25                | 23.34                           | 1.59               | 24.93      | 0.311    | 1.000     | Pass    |
|                    |              |           | RB1#49                | 23.33                           | 1.59               | 24.92      | 0.310    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.52                           | 1.59               | 23.11      | 0.205    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 66</b> |              |           |                       |                                 |                    |            |          |           |         |
| 15 MHz             | HCH          |           | RB25#13               | 21.6                            | 1.59               | 23.19      | 0.208    | 1.000     | Pass    |
|                    |              |           | RB25#25               | 21.6                            | 1.59               | 23.19      | 0.208    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 21.5                            | 1.59               | 23.09      | 0.204    | 1.000     | Pass    |
|                    |              | QPSK      | RB1#0                 | 23.31                           | 1.59               | 24.90      | 0.309    | 1.000     | Pass    |
|                    |              |           | RB1#25                | 23.28                           | 1.59               | 24.87      | 0.307    | 1.000     | Pass    |
|                    |              |           | RB1#49                | 23.2                            | 1.59               | 24.79      | 0.301    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 22.3                            | 1.59               | 23.89      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB25#13               | 22.25                           | 1.59               | 23.84      | 0.242    | 1.000     | Pass    |
|                    |              |           | RB25#25               | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 22.25                           | 1.59               | 23.84      | 0.242    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.75                           | 1.59               | 24.34      | 0.272    | 1.000     | Pass    |
|                    |              |           | RB1#25                | 22.75                           | 1.59               | 24.34      | 0.272    | 1.000     | Pass    |
|                    |              |           | RB1#49                | 22.59                           | 1.59               | 24.18      | 0.262    | 1.000     | Pass    |
|                    |              |           | RB25#0                | 21.55                           | 1.59               | 23.14      | 0.206    | 1.000     | Pass    |
|                    |              |           | RB25#13               | 21.55                           | 1.59               | 23.14      | 0.206    | 1.000     | Pass    |
|                    |              |           | RB25#25               | 21.52                           | 1.59               | 23.11      | 0.205    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 21.41                           | 1.59               | 23.00      | 0.200    | 1.000     | Pass    |
| 15 MHz             | LCH          | QPSK      | RB1#0                 | 23.29                           | 1.59               | 24.88      | 0.308    | 1.000     | Pass    |
|                    |              |           | RB1#38                | 23.25                           | 1.59               | 24.84      | 0.305    | 1.000     | Pass    |
|                    |              |           | RB1#74                | 23.21                           | 1.59               | 24.80      | 0.302    | 1.000     | Pass    |
|                    |              |           | RB36#0                | 22.21                           | 1.59               | 23.80      | 0.240    | 1.000     | Pass    |
|                    |              |           | RB36#19               | 22.17                           | 1.59               | 23.76      | 0.238    | 1.000     | Pass    |
|                    |              |           | RB36#39               | 22.21                           | 1.59               | 23.80      | 0.240    | 1.000     | Pass    |
|                    |              |           | RB75#0                | 22.18                           | 1.59               | 23.77      | 0.238    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB1#38                | 23.23                           | 1.59               | 24.82      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB1#74                | 23.22                           | 1.59               | 24.81      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB36#0                | 21.32                           | 1.59               | 22.91      | 0.195    | 1.000     | Pass    |
|                    |              |           | RB36#19               | 21.41                           | 1.59               | 23.00      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB36#39               | 21.3                            | 1.59               | 22.89      | 0.195    | 1.000     | Pass    |
|                    |              |           | RB75#0                | 21.45                           | 1.59               | 23.04      | 0.201    | 1.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.22                           | 1.59               | 24.81      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB1#38                | 23.42                           | 1.59               | 25.01      | 0.317    | 1.000     | Pass    |
|                    |              |           | RB1#74                | 23.42                           | 1.59               | 25.01      | 0.317    | 1.000     | Pass    |
|                    |              |           | RB36#0                | 22.3                            | 1.59               | 23.89      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB36#19               | 22.35                           | 1.59               | 23.94      | 0.248    | 1.000     | Pass    |
|                    |              |           | RB36#39               | 22.32                           | 1.59               | 23.91      | 0.246    | 1.000     | Pass    |
|                    |              |           | RB75#0                | 22.37                           | 1.59               | 23.96      | 0.249    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              | 16-QAM    | RB1#0                 | 23.28                           | 1.59               | 24.87      | 0.307    | 1.000     | Pass    |
|                    |              |           | RB1#38                | 23.34                           | 1.59               | 24.93      | 0.311    | 1.000     | Pass    |
|                    |              |           | RB1#74                | 23.22                           | 1.59               | 24.81      | 0.303    | 1.000     | Pass    |
|                    |              |           | RB36#0                | 21.55                           | 1.59               | 23.14      | 0.206    | 1.000     | Pass    |
|                    |              |           | RB36#19               | 21.59                           | 1.59               | 23.18      | 0.208    | 1.000     | Pass    |
|                    |              |           | RB36#39               | 21.54                           | 1.59               | 23.13      | 0.206    | 1.000     | Pass    |
|                    |              |           | RB75#0                | 21.5                            | 1.59               | 23.09      | 0.204    | 1.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB1#38                | 23.18                           | 1.59               | 24.77      | 0.300    | 1.000     | Pass    |
|                    |              |           | RB1#74                | 23.15                           | 1.59               | 24.74      | 0.298    | 1.000     | Pass    |
|                    |              |           | RB36#0                | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB36#19               | 22.3                            | 1.59               | 23.89      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB36#39               | 22.24                           | 1.59               | 23.83      | 0.242    | 1.000     | Pass    |
|                    |              |           | RB75#0                | 22.25                           | 1.59               | 23.84      | 0.242    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 23.49                           | 1.59               | 25.08      | 0.322    | 1.000     | Pass    |
|                    |              |           | RB1#38                | 23.54                           | 1.59               | 25.13      | 0.326    | 1.000     | Pass    |
|                    |              |           | RB1#74                | 23.44                           | 1.59               | 25.03      | 0.318    | 1.000     | Pass    |
|                    |              |           | RB36#0                | 21.36                           | 1.59               | 22.95      | 0.197    | 1.000     | Pass    |
|                    |              |           | RB36#19               | 21.36                           | 1.59               | 22.95      | 0.197    | 1.000     | Pass    |
|                    |              |           | RB36#39               | 21.33                           | 1.59               | 22.92      | 0.196    | 1.000     | Pass    |
|                    |              |           | RB75#0                | 21.4                            | 1.59               | 22.99      | 0.199    | 1.000     | Pass    |
| 20 MHz             | LCH          | QPSK      | RB1#0                 | 23.37                           | 1.59               | 24.96      | 0.313    | 1.000     | Pass    |
|                    |              |           | RB1#50                | 23.38                           | 1.59               | 24.97      | 0.314    | 1.000     | Pass    |
|                    |              |           | RB1#99                | 23.28                           | 1.59               | 24.87      | 0.307    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 22.17                           | 1.59               | 23.76      | 0.238    | 1.000     | Pass    |
|                    |              |           | RB50#25               | 22.23                           | 1.59               | 23.82      | 0.241    | 1.000     | Pass    |
|                    |              |           | RB50#50               | 22.28                           | 1.59               | 23.87      | 0.244    | 1.000     | Pass    |
|                    |              |           | RB100#0               | 22.29                           | 1.59               | 23.88      | 0.244    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.23                           | 1.59               | 23.82      | 0.241    | 1.000     | Pass    |
|                    |              |           | RB1#50                | 22.26                           | 1.59               | 23.85      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB1#99                | 22.21                           | 1.59               | 23.80      | 0.240    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 21.39                           | 1.59               | 22.98      | 0.199    | 1.000     | Pass    |
|                    |              |           | RB50#25               | 21.51                           | 1.59               | 23.10      | 0.204    | 1.000     | Pass    |
|                    |              |           | RB50#50               | 21.43                           | 1.59               | 23.02      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB100#0               | 21.46                           | 1.59               | 23.05      | 0.202    | 1.000     | Pass    |
|                    | MCH          | QPSK      | RB1#0                 | 23.59                           | 1.59               | 25.18      | 0.330    | 1.000     | Pass    |
|                    |              |           | RB1#50                | 23.69                           | 1.59               | 25.28      | 0.337    | 1.000     | Pass    |
|                    |              |           | RB1#99                | 23.71                           | 1.59               | 25.30      | 0.339    | 1.000     | Pass    |

| Test BW            | Test Channel | Test Mode | Test RB (Size#Offset) | Conducted Output AV Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (W) | Limit (W) | Verdict |
|--------------------|--------------|-----------|-----------------------|---------------------------------|--------------------|------------|----------|-----------|---------|
| <b>LTE Band 66</b> |              |           |                       |                                 |                    |            |          |           |         |
|                    |              |           | RB50#0                | 22.31                           | 1.59               | 23.90      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB50#25               | 22.34                           | 1.59               | 23.93      | 0.247    | 1.000     | Pass    |
|                    |              |           | RB50#50               | 22.33                           | 1.59               | 23.92      | 0.247    | 1.000     | Pass    |
|                    |              |           | RB100#0               | 22.22                           | 1.59               | 23.81      | 0.240    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.04                           | 1.59               | 23.63      | 0.231    | 1.000     | Pass    |
|                    |              |           | RB1#50                | 22.09                           | 1.59               | 23.68      | 0.233    | 1.000     | Pass    |
|                    |              |           | RB1#99                | 22.04                           | 1.59               | 23.63      | 0.231    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 21.43                           | 1.59               | 23.02      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB50#25               | 21.47                           | 1.59               | 23.06      | 0.202    | 1.000     | Pass    |
|                    |              |           | RB50#50               | 21.42                           | 1.59               | 23.01      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB100#0               | 21.4                            | 1.59               | 22.99      | 0.199    | 1.000     | Pass    |
|                    | HCH          | QPSK      | RB1#0                 | 23.32                           | 1.59               | 24.91      | 0.310    | 1.000     | Pass    |
|                    |              |           | RB1#50                | 23.33                           | 1.59               | 24.92      | 0.310    | 1.000     | Pass    |
|                    |              |           | RB1#99                | 23.24                           | 1.59               | 24.83      | 0.304    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 22.26                           | 1.59               | 23.85      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB50#25               | 22.27                           | 1.59               | 23.86      | 0.243    | 1.000     | Pass    |
|                    |              |           | RB50#50               | 22.3                            | 1.59               | 23.89      | 0.245    | 1.000     | Pass    |
|                    |              |           | RB100#0               | 22.26                           | 1.59               | 23.85      | 0.243    | 1.000     | Pass    |
|                    |              | 16-QAM    | RB1#0                 | 22.88                           | 1.59               | 24.47      | 0.280    | 1.000     | Pass    |
|                    |              |           | RB1#50                | 22.89                           | 1.59               | 24.48      | 0.281    | 1.000     | Pass    |
|                    |              |           | RB1#99                | 22.79                           | 1.59               | 24.38      | 0.274    | 1.000     | Pass    |
|                    |              |           | RB50#0                | 21.42                           | 1.59               | 23.01      | 0.200    | 1.000     | Pass    |
|                    |              |           | RB50#25               | 21.37                           | 1.59               | 22.96      | 0.198    | 1.000     | Pass    |
|                    |              |           | RB50#50               | 21.31                           | 1.59               | 22.90      | 0.195    | 1.000     | Pass    |
|                    |              |           | RB100#0               | 21.37                           | 1.59               | 22.96      | 0.198    | 1.000     | Pass    |

## A.2 Peak to Average Ratio

Note 1: For average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB. For GSM, GPRS and EGPRS, there are peak power to demonstrate compliance, PAR measurements are not required.

Note 2: Test plots please refer to the document “Annex No.: BL-SZ2441239-501 Data Part 1.pdf”.

### WCDMA Mode Test Data

| Test Band | Test Channel | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|-----------|--------------|----------------------------|------------|--------------------------------|---------|
| Band 2    | LCH          | 3.05                       | 13         | 1.1                            | Pass    |
|           | MCH          | 3                          | 13         | 1.2                            | Pass    |
|           | HCH          | 2.95                       | 13         | 1.3                            | Pass    |
| Band 4    | LCH          | 3.05                       | 13         | 2.1                            | Pass    |
|           | MCH          | 3.09                       | 13         | 2.2                            | Pass    |
|           | HCH          | 3.09                       | 13         | 2.3                            | Pass    |
| Band 5    | LCH          | 2.81                       | 13         | 3.1                            | Pass    |
|           | MCH          | 2.77                       | 13         | 3.2                            | Pass    |
|           | HCH          | 2.67                       | 13         | 3.3                            | Pass    |

### LTE Mode Test Data

| Test Band  | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Peak to Average Ratio (dB) | Limit (dB) | Refer to Plot <sup>Note2</sup> | Verdict |
|------------|----------------|--------------|-----------|-----------------------|----------------------------|------------|--------------------------------|---------|
| LTE Band 2 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 3.94                       | 13         | 4.1                            | Pass    |
|            |                |              |           | RB100#0               | 5.25                       | 13         | 4.2                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 4.73                       | 13         | 4.3                            | Pass    |
|            |                |              |           | RB100#0               | 5.95                       | 13         | 4.4                            | Pass    |
|            |                | MCH          | QPSK      | RB1#0                 | 4.08                       | 13         | 4.5                            | Pass    |
|            |                |              |           | RB100#0               | 5.39                       | 13         | 4.6                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.11                       | 13         | 4.7                            | Pass    |
|            |                |              |           | RB100#0               | 6.05                       | 13         | 4.8                            | Pass    |
|            |                | HCH          | QPSK      | RB1#0                 | 3.84                       | 13         | 4.9                            | Pass    |
|            |                |              |           | RB100#0               | 5.16                       | 13         | 4.10                           | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 4.64                       | 13         | 4.11                           | Pass    |
|            |                |              |           | RB100#0               | 5.86                       | 13         | 4.12                           | Pass    |
| LTE Band 4 | 20 MHz         | LCH          | QPSK      | RB1#0                 | 4.83                       | 13         | 5.1                            | Pass    |
|            |                |              |           | RB100#0               | 5.72                       | 13         | 5.2                            | Pass    |
|            |                |              | 16-QAM    | RB1#0                 | 5.25                       | 13         | 5.3                            | Pass    |
|            |                |              |           | RB100#0               | 6.47                       | 13         | 5.4                            | Pass    |
|            |                | MCH          | QPSK      | RB1#0                 | 5.44                       | 13         | 5.5                            | Pass    |
|            |                |              |           | RB100#0               | 5.77                       | 13         | 5.6                            | Pass    |

|                |        |     |        |         |      |    |      |      |
|----------------|--------|-----|--------|---------|------|----|------|------|
|                |        |     | 16-QAM | RB1#0   | 6.09 | 13 | 5.7  | Pass |
|                |        |     |        | RB100#0 | 6.56 | 13 | 5.8  | Pass |
|                |        | HCH | QPSK   | RB1#0   | 5.34 | 13 | 5.9  | Pass |
|                |        |     |        | RB100#0 | 5.77 | 13 | 5.10 | Pass |
|                |        |     | 16-QAM | RB1#0   | 5.91 | 13 | 5.11 | Pass |
|                |        |     |        | RB100#0 | 6.42 | 13 | 5.12 | Pass |
| LTE<br>Band 5  | 10 MHz | LCH | QPSK   | RB1#0   | 4.69 | 13 | 6.1  | Pass |
|                |        |     |        | RB50#0  | 5.44 | 13 | 6.2  | Pass |
|                |        |     | 16-QAM | RB1#0   | 5.39 | 13 | 6.3  | Pass |
|                |        |     |        | RB50#0  | 6.09 | 13 | 6.4  | Pass |
|                |        | MCH | QPSK   | RB1#0   | 4.64 | 13 | 6.5  | Pass |
|                |        |     |        | RB50#0  | 5.2  | 13 | 6.6  | Pass |
|                |        |     | 16-QAM | RB1#0   | 5.34 | 13 | 6.7  | Pass |
|                |        |     |        | RB50#0  | 6    | 13 | 6.8  | Pass |
|                |        | HCH | QPSK   | RB1#0   | 4.36 | 13 | 6.9  | Pass |
|                |        |     |        | RB50#0  | 5.3  | 13 | 6.10 | Pass |
|                |        |     | 16-QAM | RB1#0   | 5.02 | 13 | 6.11 | Pass |
|                |        |     |        | RB50#0  | 6    | 13 | 6.12 | Pass |
| LTE<br>Band 7  | 20 MHz | LCH | QPSK   | RB1#0   | 3.33 | 13 | 7.1  | Pass |
|                |        |     |        | RB100#0 | 5.02 | 13 | 7.2  | Pass |
|                |        |     | 16-QAM | RB1#0   | 3.84 | 13 | 7.3  | Pass |
|                |        |     |        | RB100#0 | 5.72 | 13 | 7.4  | Pass |
|                |        | MCH | QPSK   | RB1#0   | 3.84 | 13 | 7.5  | Pass |
|                |        |     |        | RB100#0 | 5.11 | 13 | 7.6  | Pass |
|                |        |     | 16-QAM | RB1#0   | 4.59 | 13 | 7.7  | Pass |
|                |        |     |        | RB100#0 | 5.81 | 13 | 7.8  | Pass |
|                |        | HCH | QPSK   | RB1#0   | 3.28 | 13 | 7.9  | Pass |
|                |        |     |        | RB100#0 | 4.83 | 13 | 7.10 | Pass |
|                |        |     | 16-QAM | RB1#0   | 3.7  | 13 | 7.11 | Pass |
|                |        |     |        | RB100#0 | 5.48 | 13 | 7.12 | Pass |
| LTE<br>Band 12 | 10 MHz | LCH | QPSK   | RB1#0   | 3.84 | 13 | 8.1  | Pass |
|                |        |     |        | RB50#0  | 5.16 | 13 | 8.2  | Pass |
|                |        |     | 16-QAM | RB1#0   | 4.97 | 13 | 8.3  | Pass |
|                |        |     |        | RB50#0  | 5.86 | 13 | 8.4  | Pass |
|                |        | MCH | QPSK   | RB1#0   | 3.89 | 13 | 8.5  | Pass |
|                |        |     |        | RB50#0  | 5.11 | 13 | 8.6  | Pass |
|                |        |     | 16-QAM | RB1#0   | 4.97 | 13 | 8.7  | Pass |
|                |        |     |        | RB50#0  | 5.91 | 13 | 8.8  | Pass |
|                |        | HCH | QPSK   | RB1#0   | 3.89 | 13 | 8.9  | Pass |
|                |        |     |        | RB50#0  | 5.06 | 13 | 8.10 | Pass |
|                |        |     | 16-QAM | RB1#0   | 4.92 | 13 | 8.11 | Pass |
|                |        |     |        | RB50#0  | 5.81 | 13 | 8.12 | Pass |
| LTE            | 10 MHz | LCH | QPSK   | RB1#0   | 3.98 | 13 | 9.1  | Pass |

|                            |        |     |        |         |      |    |       |      |
|----------------------------|--------|-----|--------|---------|------|----|-------|------|
| Band 17                    |        |     | 16-QAM | RB50#0  | 5.16 | 13 | 9.2   | Pass |
|                            |        |     |        | RB1#0   | 5.11 | 13 | 9.3   | Pass |
|                            |        |     |        | RB50#0  | 5.81 | 13 | 9.4   | Pass |
|                            |        | MCH | QPSK   | RB1#0   | 3.89 | 13 | 9.5   | Pass |
|                            |        |     |        | RB50#0  | 5.06 | 13 | 9.6   | Pass |
|                            |        |     | 16-QAM | RB1#0   | 4.83 | 13 | 9.7   | Pass |
|                            |        |     |        | RB50#0  | 5.81 | 13 | 9.8   | Pass |
|                            |        | HCH | QPSK   | RB1#0   | 3.89 | 13 | 9.9   | Pass |
|                            |        |     |        | RB50#0  | 5.02 | 13 | 9.10  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 4.92 | 13 | 9.11  | Pass |
|                            |        |     |        | RB50#0  | 5.81 | 13 | 9.12  | Pass |
| LTE<br>Band 26<br>(Part22) | 15 MHz | LCH | QPSK   | RB1#0   | 4.83 | 13 | 10.1  | Pass |
|                            |        |     |        | RB75#0  | 5.86 | 13 | 10.2  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 5.48 | 13 | 10.3  | Pass |
|                            |        |     |        | RB75#0  | 6.14 | 13 | 10.4  | Pass |
|                            |        | MCH | QPSK   | RB1#0   | 4.73 | 13 | 10.5  | Pass |
|                            |        |     |        | RB75#0  | 5.67 | 13 | 10.6  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 5.48 | 13 | 10.7  | Pass |
|                            |        |     |        | RB75#0  | 6.05 | 13 | 10.8  | Pass |
|                            |        | HCH | QPSK   | RB1#0   | 4.69 | 13 | 10.9  | Pass |
|                            |        |     |        | RB75#0  | 5.67 | 13 | 10.10 | Pass |
|                            |        |     | 16-QAM | RB1#0   | 5.2  | 13 | 10.11 | Pass |
|                            |        |     |        | RB75#0  | 6.05 | 13 | 10.12 | Pass |
| LTE<br>Band 26<br>(Part90) | 10 MHz | MCH | QPSK   | RB1#0   | 4.59 | 13 | 11.1  | Pass |
|                            |        |     |        | RB50#0  | 5.48 | 13 | 11.2  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 5.34 | 13 | 11.3  | Pass |
|                            |        |     |        | RB50#0  | 6.09 | 13 | 11.4  | Pass |
| LTE<br>Band 38             | 20 MHz | LCH | QPSK   | RB1#0   | 7.92 | 13 | 12.1  | Pass |
|                            |        |     |        | RB100#0 | 8.91 | 13 | 12.2  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 7.92 | 13 | 12.3  | Pass |
|                            |        |     |        | RB100#0 | 9.47 | 13 | 12.4  | Pass |
|                            |        | MCH | QPSK   | RB1#0   | 7.83 | 13 | 12.5  | Pass |
|                            |        |     |        | RB100#0 | 8.81 | 13 | 12.6  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 8.34 | 13 | 12.7  | Pass |
|                            |        |     |        | RB100#0 | 9.33 | 13 | 12.8  | Pass |
|                            |        | HCH | QPSK   | RB1#0   | 7.41 | 13 | 12.9  | Pass |
|                            |        |     |        | RB100#0 | 8.77 | 13 | 12.10 | Pass |
|                            |        |     | 16-QAM | RB1#0   | 7.45 | 13 | 12.11 | Pass |
|                            |        |     |        | RB100#0 | 9.23 | 13 | 12.12 | Pass |
| LTE<br>Band 41             | 20 MHz | LCH | QPSK   | RB1#0   | 7.73 | 13 | 13.1  | Pass |
|                            |        |     |        | RB100#0 | 8.95 | 13 | 13.2  | Pass |
|                            |        |     | 16-QAM | RB1#0   | 8.06 | 13 | 13.3  | Pass |
|                            |        |     |        | RB100#0 | 9.52 | 13 | 13.4  | Pass |

|                |        |     |        |         |      |    |       |      |
|----------------|--------|-----|--------|---------|------|----|-------|------|
|                |        | MCH | QPSK   | RB1#0   | 7.5  | 13 | 13.5  | Pass |
|                |        |     |        | RB100#0 | 8.77 | 13 | 13.6  | Pass |
|                |        |     | 16-QAM | RB1#0   | 7.69 | 13 | 13.7  | Pass |
|                |        |     |        | RB100#0 | 9.33 | 13 | 13.8  | Pass |
|                |        | HCH | QPSK   | RB1#0   | 7.73 | 13 | 13.9  | Pass |
|                |        |     |        | RB100#0 | 8.77 | 13 | 13.10 | Pass |
|                |        |     | 16-QAM | RB1#0   | 8.25 | 13 | 13.11 | Pass |
|                |        |     |        | RB100#0 | 9.33 | 13 | 13.12 | Pass |
| LTE<br>Band 66 | 20 MHz | LCH | QPSK   | RB1#0   | 4.12 | 13 | 14.1  | Pass |
|                |        |     |        | RB100#0 | 5.48 | 13 | 14.2  | Pass |
|                |        |     | 16-QAM | RB1#0   | 4.83 | 13 | 14.3  | Pass |
|                |        |     |        | RB100#0 | 6.23 | 13 | 14.4  | Pass |
|                |        | MCH | QPSK   | RB1#0   | 4.55 | 13 | 14.5  | Pass |
|                |        |     |        | RB100#0 | 5.48 | 13 | 14.6  | Pass |
|                |        |     | 16-QAM | RB1#0   | 5.81 | 13 | 14.7  | Pass |
|                |        |     |        | RB100#0 | 6.23 | 13 | 14.8  | Pass |
|                |        | HCH | QPSK   | RB1#0   | 4.31 | 13 | 14.9  | Pass |
|                |        |     |        | RB100#0 | 5.44 | 13 | 14.10 | Pass |
|                |        |     | 16-QAM | RB1#0   | 5.2  | 13 | 14.11 | Pass |
|                |        |     |        | RB100#0 | 6.09 | 13 | 14.12 | Pass |

### A.3 Occupied Bandwidth

Note 1: All modes were tested, but only the typical data were reported in this report.

Note 2: Test plots please refer to the document “Annex No.: BL-SZ2441239-501 Data Part 2.pdf”.

#### GSM and WCDMA Mode Test Data

| Test Band    | Test Channel | Measured 99%<br>Occupied<br>Bandwidth<br>(MHz) | Measured -26 dB<br>Occupied<br>Bandwidth<br>(MHz) | Refer to Plot <sup>Note2</sup> |
|--------------|--------------|------------------------------------------------|---------------------------------------------------|--------------------------------|
| GSM 850      | LCH          | 0.244                                          | 0.303                                             | 1.1                            |
|              | MCH          | 0.244                                          | 0.301                                             | 1.2                            |
|              | HCH          | 0.244                                          | 0.306                                             | 1.3                            |
| GSM 1900     | LCH          | 0.243                                          | 0.301                                             | 2.1                            |
|              | MCH          | 0.242                                          | 0.307                                             | 2.2                            |
|              | HCH          | 0.244                                          | 0.308                                             | 2.3                            |
| EGPRS 850    | LCH          | 0.246                                          | 0.303                                             | 3.1                            |
|              | MCH          | 0.243                                          | 0.309                                             | 3.2                            |
|              | HCH          | 0.244                                          | 0.301                                             | 3.3                            |
| EGPRS 1900   | LCH          | 0.244                                          | 0.313                                             | 4.1                            |
|              | MCH          | 0.244                                          | 0.305                                             | 4.2                            |
|              | HCH          | 0.244                                          | 0.306                                             | 4.3                            |
| WCDMA Band 2 | LCH          | 4.14                                           | 4.677                                             | 5.1                            |
|              | MCH          | 4.138                                          | 4.674                                             | 5.2                            |
|              | HCH          | 4.141                                          | 4.684                                             | 5.3                            |
| WCDMA Band 4 | LCH          | 4.136                                          | 4.685                                             | 6.1                            |
|              | MCH          | 4.137                                          | 4.68                                              | 6.2                            |
|              | HCH          | 4.141                                          | 4.67                                              | 6.3                            |
| WCDMA Band 5 | LCH          | 4.139                                          | 4.69                                              | 7.1                            |
|              | MCH          | 4.134                                          | 4.69                                              | 7.2                            |
|              | HCH          | 4.154                                          | 4.707                                             | 7.3                            |

## LTE Mode Test Data

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.245                                    | 8.1                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.1                                   | 1.252                                    | 8.2                            |
|           |                | MCH          | QPSK      | RB6#0                 | 1.092                                 | 1.248                                    | 8.3                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.239                                    | 8.4                            |
|           |                | HCH          | QPSK      | RB6#0                 | 1.097                                 | 1.25                                     | 8.5                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.097                                 | 1.249                                    | 8.6                            |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.727                                 | 3.046                                    | 8.7                            |
|           |                |              | 16-QAM    | RB15#0                | 2.725                                 | 3.06                                     | 8.8                            |
|           |                | MCH          | QPSK      | RB15#0                | 2.716                                 | 3.057                                    | 8.9                            |
|           |                |              | 16-QAM    | RB15#0                | 2.712                                 | 3.054                                    | 8.10                           |
|           |                | HCH          | QPSK      | RB15#0                | 2.718                                 | 3.055                                    | 8.11                           |
|           |                |              | 16-QAM    | RB15#0                | 2.721                                 | 3.072                                    | 8.12                           |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.521                                 | 4.985                                    | 8.13                           |
|           |                |              | 16-QAM    | RB25#0                | 4.507                                 | 4.986                                    | 8.14                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.502                                 | 5.005                                    | 8.15                           |
|           |                |              | 16-QAM    | RB25#0                | 4.513                                 | 4.998                                    | 8.16                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.496                                 | 4.997                                    | 8.17                           |
|           |                |              | 16-QAM    | RB25#0                | 4.53                                  | 5.01                                     | 8.18                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.986                                 | 9.944                                    | 8.19                           |
|           |                |              | 16-QAM    | RB50#0                | 8.987                                 | 9.925                                    | 8.20                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.969                                 | 9.915                                    | 8.21                           |
|           |                |              | 16-QAM    | RB50#0                | 9.006                                 | 9.963                                    | 8.22                           |
|           |                | HCH          | QPSK      | RB50#0                | 9.005                                 | 9.942                                    | 8.23                           |
|           |                |              | 16-QAM    | RB50#0                | 8.995                                 | 10.036                                   | 8.24                           |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.488                                | 15.035                                   | 8.25                           |
|           |                |              | 16-QAM    | RB75#0                | 13.49                                 | 15.013                                   | 8.26                           |
|           |                | MCH          | QPSK      | RB75#0                | 13.449                                | 14.997                                   | 8.27                           |
|           |                |              | 16-QAM    | RB75#0                | 13.534                                | 15.11                                    | 8.28                           |
|           |                | HCH          | QPSK      | RB75#0                | 13.496                                | 15.105                                   | 8.29                           |
|           |                |              | 16-QAM    | RB75#0                | 13.52                                 | 15.055                                   | 8.30                           |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.952                                | 19.681                                   | 8.31                           |
|           |                |              | 16-QAM    | RB100#0               | 18.061                                | 19.831                                   | 8.32                           |
|           |                | MCH          | QPSK      | RB100#0               | 18                                    | 19.773                                   | 8.33                           |
|           |                |              | 16-QAM    | RB100#0               | 18.021                                | 19.942                                   | 8.34                           |
|           |                | HCH          | QPSK      | RB100#0               | 18.048                                | 19.897                                   | 8.35                           |
|           |                |              | 16-QAM    | RB100#0               | 17.993                                | 19.799                                   | 8.36                           |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.09                                  | 1.247                                    | 9.1                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.099                                 | 1.253                                    | 9.2                            |
|           |                | MCH          | QPSK      | RB6#0                 | 1.094                                 | 1.248                                    | 9.3                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.242                                    | 9.4                            |
|           |                | HCH          | QPSK      | RB6#0                 | 1.095                                 | 1.247                                    | 9.5                            |
|           |                |              | 16-QAM    | RB6#0                 | 1.091                                 | 1.249                                    | 9.6                            |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.724                                 | 3.043                                    | 9.7                            |
|           |                |              | 16-QAM    | RB15#0                | 2.723                                 | 3.054                                    | 9.8                            |
|           |                | MCH          | QPSK      | RB15#0                | 2.721                                 | 3.06                                     | 9.9                            |
|           |                |              | 16-QAM    | RB15#0                | 2.711                                 | 3.051                                    | 9.10                           |
|           |                | HCH          | QPSK      | RB15#0                | 2.709                                 | 3.043                                    | 9.11                           |
|           |                |              | 16-QAM    | RB15#0                | 2.72                                  | 3.077                                    | 9.12                           |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.512                                 | 4.987                                    | 9.13                           |
|           |                |              | 16-QAM    | RB25#0                | 4.504                                 | 4.97                                     | 9.14                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.502                                 | 5.011                                    | 9.15                           |
|           |                |              | 16-QAM    | RB25#0                | 4.524                                 | 5.021                                    | 9.16                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.492                                 | 4.968                                    | 9.17                           |
|           |                |              | 16-QAM    | RB25#0                | 4.528                                 | 5.024                                    | 9.18                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.979                                 | 9.906                                    | 9.19                           |
|           |                |              | 16-QAM    | RB50#0                | 8.982                                 | 9.923                                    | 9.20                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.968                                 | 9.907                                    | 9.21                           |
|           |                |              | 16-QAM    | RB50#0                | 9.006                                 | 9.984                                    | 9.22                           |
|           |                | HCH          | QPSK      | RB50#0                | 9.003                                 | 9.94                                     | 9.23                           |
|           |                |              | 16-QAM    | RB50#0                | 8.981                                 | 10.005                                   | 9.24                           |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.486                                | 14.981                                   | 9.25                           |
|           |                |              | 16-QAM    | RB75#0                | 13.476                                | 14.976                                   | 9.26                           |
|           |                | MCH          | QPSK      | RB75#0                | 13.426                                | 14.968                                   | 9.27                           |
|           |                |              | 16-QAM    | RB75#0                | 13.525                                | 15.099                                   | 9.28                           |
|           |                | HCH          | QPSK      | RB75#0                | 13.473                                | 15.064                                   | 9.29                           |
|           |                |              | 16-QAM    | RB75#0                | 13.499                                | 15.025                                   | 9.30                           |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.944                                | 19.684                                   | 9.31                           |
|           |                |              | 16-QAM    | RB100#0               | 17.982                                | 19.789                                   | 9.32                           |
|           |                | MCH          | QPSK      | RB100#0               | 17.983                                | 19.746                                   | 9.33                           |
|           |                |              | 16-QAM    | RB100#0               | 17.995                                | 19.896                                   | 9.34                           |
|           |                | HCH          | QPSK      | RB100#0               | 18.049                                | 19.896                                   | 9.35                           |
|           |                |              | 16-QAM    | RB100#0               | 17.981                                | 19.812                                   | 9.36                           |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.087                                 | 1.241                                    | 10.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.097                                 | 1.248                                    | 10.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.089                                 | 1.244                                    | 10.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.235                                    | 10.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.093                                 | 1.244                                    | 10.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.095                                 | 1.241                                    | 10.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.717                                 | 3.051                                    | 10.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.712                                 | 3.043                                    | 10.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.712                                 | 3.017                                    | 10.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.706                                 | 3.029                                    | 10.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.712                                 | 3.045                                    | 10.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.713                                 | 3.052                                    | 10.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.51                                  | 4.97                                     | 10.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.503                                 | 4.954                                    | 10.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.49                                  | 4.972                                    | 10.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.5                                   | 4.997                                    | 10.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.496                                 | 4.959                                    | 10.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.518                                 | 4.998                                    | 10.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.989                                 | 9.896                                    | 10.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.985                                 | 9.914                                    | 10.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.95                                  | 9.834                                    | 10.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.975                                 | 9.947                                    | 10.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.999                                 | 9.899                                    | 10.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.989                                 | 9.952                                    | 10.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.514                                 | 4.991                                    | 11.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 4.954                                    | 11.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.499                                 | 4.978                                    | 11.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.51                                  | 4.975                                    | 11.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.499                                 | 4.963                                    | 11.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.52                                  | 4.996                                    | 11.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.979                                 | 9.908                                    | 11.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.982                                 | 9.918                                    | 11.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.97                                  | 9.882                                    | 11.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 9.92                                     | 11.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.994                                 | 9.943                                    | 11.11                          |
|           |                |              | 16-QAM    | RB50#0                | 9                                     | 9.983                                    | 11.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.484                                | 15.049                                   | 11.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.472                                | 14.994                                   | 11.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.438                                | 14.9                                     | 11.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.496                                | 15.063                                   | 11.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.459                                | 15.073                                   | 11.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.497                                | 14.961                                   | 11.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.931                                | 19.623                                   | 11.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.978                                | 19.744                                   | 11.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.952                                | 19.68                                    | 11.21                          |
|           |                |              | 16-QAM    | RB100#0               | 18.013                                | 19.803                                   | 11.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.991                                | 19.754                                   | 11.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.967                                | 19.804                                   | 11.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.086                                 | 1.24                                     | 12.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.099                                 | 1.25                                     | 12.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.088                                 | 1.246                                    | 12.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.235                                    | 12.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.093                                 | 1.243                                    | 12.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.241                                    | 12.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.709                                 | 3.026                                    | 12.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.715                                 | 3.044                                    | 12.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.708                                 | 3.033                                    | 12.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.704                                 | 3.035                                    | 12.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.71                                  | 3.047                                    | 12.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.711                                 | 3.054                                    | 12.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.505                                 | 4.972                                    | 12.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.498                                 | 4.971                                    | 12.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.492                                 | 4.969                                    | 12.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.508                                 | 4.995                                    | 12.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.498                                 | 4.968                                    | 12.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.51                                  | 4.988                                    | 12.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.986                                 | 9.937                                    | 12.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.979                                 | 9.9                                      | 12.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.971                                 | 9.938                                    | 12.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.977                                 | 9.949                                    | 12.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.987                                 | 9.92                                     | 12.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 9.939                                    | 12.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.515                                 | 4.966                                    | 13.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.506                                 | 4.984                                    | 13.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.502                                 | 5.002                                    | 13.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.512                                 | 5.007                                    | 13.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.49                                  | 4.973                                    | 13.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.508                                 | 4.991                                    | 13.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.98                                  | 9.944                                    | 13.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.991                                 | 9.962                                    | 13.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.971                                 | 9.934                                    | 13.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.976                                 | 9.936                                    | 13.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.992                                 | 9.926                                    | 13.11                          |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 9.916                                    | 13.12                          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.087                                 | 1.238                                    | 14.1                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.097                                 | 1.248                                    | 14.2                           |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.09                                  | 1.239                                    | 14.3                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.086                                 | 1.242                                    | 14.4                           |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.093                                 | 1.244                                    | 14.5                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.095                                 | 1.238                                    | 14.6                           |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.717                                 | 3.039                                    | 14.7                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.713                                 | 3.037                                    | 14.8                           |
|                  |                | MCH          | QPSK      | RB15#0                | 2.712                                 | 3.017                                    | 14.9                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.704                                 | 3.029                                    | 14.10                          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.713                                 | 3.04                                     | 14.11                          |
|                  |                |              | 16-QAM    | RB15#0                | 2.711                                 | 3.047                                    | 14.12                          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.504                                 | 4.965                                    | 14.13                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.497                                 | 4.969                                    | 14.14                          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.491                                 | 4.978                                    | 14.15                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.505                                 | 4.998                                    | 14.16                          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.49                                  | 4.974                                    | 14.17                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.516                                 | 4.994                                    | 14.18                          |
|                  | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.981                                 | 9.918                                    | 14.19                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.987                                 | 9.919                                    | 14.20                          |
|                  |                | MCH          | QPSK      | RB50#0                | 8.943                                 | 9.864                                    | 14.21                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.959                                 | 9.93                                     | 14.22                          |
|                  |                | HCH          | QPSK      | RB50#0                | 9.006                                 | 9.913                                    | 14.23                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.993                                 | 9.928                                    | 14.24                          |
|                  | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.476                                | 14.93                                    | 14.25                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.49                                 | 14.97                                    | 14.26                          |
|                  |                | MCH          | QPSK      | RB75#0                | 13.392                                | 14.83                                    | 14.27                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.447                                | 14.947                                   | 14.28                          |
|                  |                | HCH          | QPSK      | RB75#0                | 13.449                                | 14.923                                   | 14.29                          |
|                  |                |              | 16-QAM    | RB75#0                | 13.46                                 | 14.909                                   | 14.30                          |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|------------------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.085                                 | 1.242                                    | 15.1                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.098                                 | 1.245                                    | 15.2                           |
|                  |                | MCH          | QPSK      | RB6#0                 | 1.091                                 | 1.237                                    | 15.3                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.084                                 | 1.235                                    | 15.4                           |
|                  |                | HCH          | QPSK      | RB6#0                 | 1.092                                 | 1.238                                    | 15.5                           |
|                  |                |              | 16-QAM    | RB6#0                 | 1.089                                 | 1.237                                    | 15.6                           |
|                  | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.717                                 | 3.036                                    | 15.7                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.713                                 | 3.042                                    | 15.8                           |
|                  |                | MCH          | QPSK      | RB15#0                | 2.708                                 | 3.032                                    | 15.9                           |
|                  |                |              | 16-QAM    | RB15#0                | 2.709                                 | 3.045                                    | 15.10                          |
|                  |                | HCH          | QPSK      | RB15#0                | 2.711                                 | 3.045                                    | 15.11                          |
|                  |                |              | 16-QAM    | RB15#0                | 2.711                                 | 3.052                                    | 15.12                          |
|                  | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.507                                 | 4.959                                    | 15.13                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.498                                 | 4.966                                    | 15.14                          |
|                  |                | MCH          | QPSK      | RB25#0                | 4.493                                 | 4.983                                    | 15.15                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.506                                 | 4.969                                    | 15.16                          |
|                  |                | HCH          | QPSK      | RB25#0                | 4.494                                 | 4.956                                    | 15.17                          |
|                  |                |              | 16-QAM    | RB25#0                | 4.508                                 | 4.988                                    | 15.18                          |
|                  | 10 MHz         | MCH          | QPSK      | RB50#0                | 8.962                                 | 9.853                                    | 15.19                          |
|                  |                |              | 16-QAM    | RB50#0                | 8.955                                 | 9.895                                    | 15.20                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.506                                 | 4.999                                    | 16.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.523                                 | 5.182                                    | 16.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.508                                 | 5.054                                    | 16.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.498                                 | 5.089                                    | 16.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.495                                 | 5.109                                    | 16.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.141                                    | 16.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.999                                 | 9.953                                    | 16.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.998                                 | 10.044                                   | 16.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 9.003                                 | 10.241                                   | 16.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.975                                 | 9.96                                     | 16.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 9.036                                 | 10.085                                   | 16.11                          |
|           |                |              | 16-QAM    | RB50#0                | 9.008                                 | 10.246                                   | 16.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.535                                | 15.197                                   | 16.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.522                                | 15.572                                   | 16.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.473                                | 15.404                                   | 16.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.547                                | 15.431                                   | 16.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.49                                 | 15.456                                   | 16.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.567                                | 16.013                                   | 16.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 18.019                                | 19.9                                     | 16.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.976                                | 20.362                                   | 16.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.991                                | 19.687                                   | 16.21                          |
|           |                |              | 16-QAM    | RB100#0               | 18.01                                 | 20.443                                   | 16.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 18.027                                | 20.503                                   | 16.23                          |
|           |                |              | 16-QAM    | RB100#0               | 18.016                                | 19.865                                   | 16.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.505                                 | 4.991                                    | 17.1                           |
|           |                |              | 16-QAM    | RB25#0                | 4.524                                 | 5.178                                    | 17.2                           |
|           |                | MCH          | QPSK      | RB25#0                | 4.505                                 | 5.065                                    | 17.3                           |
|           |                |              | 16-QAM    | RB25#0                | 4.497                                 | 5.152                                    | 17.4                           |
|           |                | HCH          | QPSK      | RB25#0                | 4.497                                 | 5.088                                    | 17.5                           |
|           |                |              | 16-QAM    | RB25#0                | 4.509                                 | 5.138                                    | 17.6                           |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 9                                     | 9.946                                    | 17.7                           |
|           |                |              | 16-QAM    | RB50#0                | 8.986                                 | 10.009                                   | 17.8                           |
|           |                | MCH          | QPSK      | RB50#0                | 8.991                                 | 10.131                                   | 17.9                           |
|           |                |              | 16-QAM    | RB50#0                | 8.966                                 | 9.949                                    | 17.10                          |
|           |                | HCH          | QPSK      | RB50#0                | 9.036                                 | 10.153                                   | 17.11                          |
|           |                |              | 16-QAM    | RB50#0                | 9.003                                 | 10.214                                   | 17.12                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.545                                | 15.367                                   | 17.13                          |
|           |                |              | 16-QAM    | RB75#0                | 13.51                                 | 15.513                                   | 17.14                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.474                                | 15.835                                   | 17.15                          |
|           |                |              | 16-QAM    | RB75#0                | 13.545                                | 15.49                                    | 17.16                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.485                                | 15.752                                   | 17.17                          |
|           |                |              | 16-QAM    | RB75#0                | 13.562                                | 16.226                                   | 17.18                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 18                                    | 19.878                                   | 17.19                          |
|           |                |              | 16-QAM    | RB100#0               | 17.97                                 | 20.255                                   | 17.20                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.985                                | 20.44                                    | 17.21                          |
|           |                |              | 16-QAM    | RB100#0               | 17.975                                | 20.226                                   | 17.22                          |
|           |                | HCH          | QPSK      | RB100#0               | 18.008                                | 20.116                                   | 17.23                          |
|           |                |              | 16-QAM    | RB100#0               | 17.99                                 | 19.817                                   | 17.24                          |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Measured 99% Occupied Bandwidth (MHz) | Measured -26 dB Occupied Bandwidth (MHz) | Refer to Plot <sup>Note2</sup> |
|-----------|----------------|--------------|-----------|-----------------------|---------------------------------------|------------------------------------------|--------------------------------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB6#0                 | 1.091                                 | 1.251                                    | 18.1                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.1                                   | 1.252                                    | 18.2                           |
|           |                | MCH          | QPSK      | RB6#0                 | 1.093                                 | 1.25                                     | 18.3                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.085                                 | 1.243                                    | 18.4                           |
|           |                | HCH          | QPSK      | RB6#0                 | 1.095                                 | 1.247                                    | 18.5                           |
|           |                |              | 16-QAM    | RB6#0                 | 1.093                                 | 1.247                                    | 18.6                           |
|           | 3 MHz          | LCH          | QPSK      | RB15#0                | 2.723                                 | 3.036                                    | 18.7                           |
|           |                |              | 16-QAM    | RB15#0                | 2.727                                 | 3.055                                    | 18.8                           |
|           |                | MCH          | QPSK      | RB15#0                | 2.713                                 | 3.061                                    | 18.9                           |
|           |                |              | 16-QAM    | RB15#0                | 2.713                                 | 3.047                                    | 18.10                          |
|           |                | HCH          | QPSK      | RB15#0                | 2.71                                  | 3.046                                    | 18.11                          |
|           |                |              | 16-QAM    | RB15#0                | 2.716                                 | 3.068                                    | 18.12                          |
|           | 5 MHz          | LCH          | QPSK      | RB25#0                | 4.517                                 | 4.984                                    | 18.13                          |
|           |                |              | 16-QAM    | RB25#0                | 4.506                                 | 4.983                                    | 18.14                          |
|           |                | MCH          | QPSK      | RB25#0                | 4.503                                 | 4.995                                    | 18.15                          |
|           |                |              | 16-QAM    | RB25#0                | 4.524                                 | 5.021                                    | 18.16                          |
|           |                | HCH          | QPSK      | RB25#0                | 4.495                                 | 4.987                                    | 18.17                          |
|           |                |              | 16-QAM    | RB25#0                | 4.527                                 | 5.018                                    | 18.18                          |
|           | 10 MHz         | LCH          | QPSK      | RB50#0                | 8.998                                 | 9.915                                    | 18.19                          |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 9.947                                    | 18.20                          |
|           |                | MCH          | QPSK      | RB50#0                | 8.965                                 | 9.898                                    | 18.21                          |
|           |                |              | 16-QAM    | RB50#0                | 8.983                                 | 9.959                                    | 18.22                          |
|           |                | HCH          | QPSK      | RB50#0                | 8.998                                 | 9.94                                     | 18.23                          |
|           |                |              | 16-QAM    | RB50#0                | 8.978                                 | 10.008                                   | 18.24                          |
|           | 15 MHz         | LCH          | QPSK      | RB75#0                | 13.472                                | 14.972                                   | 18.25                          |
|           |                |              | 16-QAM    | RB75#0                | 13.49                                 | 14.955                                   | 18.26                          |
|           |                | MCH          | QPSK      | RB75#0                | 13.437                                | 15.008                                   | 18.27                          |
|           |                |              | 16-QAM    | RB75#0                | 13.505                                | 15.09                                    | 18.28                          |
|           |                | HCH          | QPSK      | RB75#0                | 13.457                                | 15.024                                   | 18.29                          |
|           |                |              | 16-QAM    | RB75#0                | 13.492                                | 14.972                                   | 18.30                          |
|           | 20 MHz         | LCH          | QPSK      | RB100#0               | 17.94                                 | 19.694                                   | 18.31                          |
|           |                |              | 16-QAM    | RB100#0               | 17.99                                 | 19.814                                   | 18.32                          |
|           |                | MCH          | QPSK      | RB100#0               | 17.975                                | 19.712                                   | 18.33                          |
|           |                |              | 16-QAM    | RB100#0               | 17.983                                | 19.873                                   | 18.34                          |
|           |                | HCH          | QPSK      | RB100#0               | 17.99                                 | 19.877                                   | 18.35                          |
|           |                |              | 16-QAM    | RB100#0               | 17.946                                | 19.839                                   | 18.36                          |

## A.4 Frequency Stability

GSM 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.87            | -30              | 17.56               | ±2060.5     | 11.56            | ±2091.5     | -5.94            | ±2122       | Pass    |
|                 | -20              | -7.72               |             | 7.04             |             | 11.27            |             |         |
|                 | -10              | 8.43                |             | 15.98            |             | 8.49             |             |         |
|                 | 0                | 14.4                |             | 12.01            |             | 10.14            |             |         |
|                 | +10              | 9.78                |             | 15.01            |             | 14.21            |             |         |
|                 | +20              | 10.01               |             | 14.63            |             | 14.3             |             |         |
|                 | +25              | 12.11               |             | 9.2              |             | 9.27             |             |         |
|                 | +30              | 9.01                |             | 10.85            |             | -9.23            |             |         |
|                 | +40              | 13.56               |             | 10.94            |             | 16.59            |             |         |
|                 | +50              | 15.98               |             | 14.92            |             | -14.01           |             |         |
|                 | +60              | 9.81                |             | -9.59            |             | -12.3            |             |         |
| 4.45            | +25              | -10.07              | ±2060.5     | -9.36            | ±2091.5     | 12.53            | ±2122       | Pass    |
| 3.45            | +25              | -7.36               |             | -12.91           |             | -15.14           |             |         |

GSM 1900

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1850.2 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1909.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.87            | -30              | 30.25               | ±4625.5     | -17.34          | ±4700.0     | 23.37             | ±4774.5     | Pass    |
|                 | -20              | -18.63              |             | 10.88           |             | -23.79            |             |         |
|                 | -10              | -28.67              |             | 19.21           |             | 15.85             |             |         |
|                 | 0                | 16.92               |             | -17.5           |             | 15.14             |             |         |
|                 | +10              | 21.34               |             | -25.44          |             | -16.56            |             |         |
|                 | +20              | 15.05               |             | 20.47           |             | -20.02            |             |         |
|                 | +25              | -23.73              |             | 23.99           |             | -19.92            |             |         |
|                 | +30              | -16.47              |             | 14.5            |             | -25.63            |             |         |
|                 | +40              | -13.17              |             | 14.21           |             | -16.98            |             |         |
|                 | +50              | 26.7                |             | 24.86           |             | -21.95            |             |         |
|                 | +60              | -19.05              |             | 17.72           |             | 25.18             |             |         |
| 4.45            | +25              | 14.56               | ±4625.5     | 19.5            | ±4700.0     | 21.7              | ±4774.5     | Pass    |
| 3.45            | +25              | -18.63              |             | 32.16           |             | 34.38             |             |         |

GPRS 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.87            | -30              | 16.37               | ±2060.5     | 13.17            | ±2091.5     | 21.66            | ±2122       | Pass    |
|                 | -20              | 11.75               |             | 12.75            |             | 14.79            |             |         |
|                 | -10              | 14.21               |             | 5.88             |             | 18.31            |             |         |
|                 | 0                | 12.3                |             | 11.14            |             | 14.72            |             |         |
|                 | +10              | 10.85               |             | 12.53            |             | 22.24            |             |         |
|                 | +20              | 14.5                |             | 14.69            |             | 17.98            |             |         |
|                 | +25              | 12.33               |             | 15.27            |             | 16.59            |             |         |
|                 | +30              | 15.53               |             | 13.01            |             | 14.56            |             |         |
|                 | +40              | 13.75               |             | 14.82            |             | 18.18            |             |         |
|                 | +50              | 14.24               |             | 11.01            |             | 16.47            |             |         |
|                 | +60              | 15.5                |             | 13.56            |             | 18.66            |             |         |
| 4.45            | +25              | 13.72               | ±2060.5     | 14.63            | ±2091.5     | 18.27            | ±2122       | Pass    |
| 3.45            | +25              | 12.91               |             | 17.79            |             | 18.31            |             |         |

GPRS 1900

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1850.2 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1909.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.87            | -30              | 16.53               | ±4625.5     | 25.02           | ±4700.0     | 29.22             | ±4774.5     | Pass    |
|                 | -20              | 22.28               |             | 18.18           |             | 34.74             |             |         |
|                 | -10              | 29.41               |             | 20.31           |             | 31.64             |             |         |
|                 | 0                | 20.34               |             | 20.02           |             | 33.25             |             |         |
|                 | +10              | 19.92               |             | 14.4            |             | 11.59             |             |         |
|                 | +20              | -14.04              |             | 11.66           |             | 27.93             |             |         |
|                 | +25              | 15.79               |             | 22.5            |             | 26.12             |             |         |
|                 | +30              | 17.6                |             | 28.35           |             | 13.88             |             |         |
|                 | +40              | 25.02               |             | 29.38           |             | 21.5              |             |         |
|                 | +50              | 16.66               |             | 29.48           |             | 26.31             |             |         |
|                 | +60              | 26.57               |             | 14.17           |             | 21.24             |             |         |
| 4.45            | +25              | -12.56              |             | 26.96           |             | 25.8              |             |         |
| 3.45            | +25              | 19.98               |             | 18.05           |             | 15.01             |             |         |

EGPRS 850

| Test Conditions |                  | Frequency Deviation |             |                  |             |                  |             | Verdict |
|-----------------|------------------|---------------------|-------------|------------------|-------------|------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>824.2 MHz    |             | MCH<br>836.6 MHz |             | HCH<br>848.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)       | Limits (Hz) | Value (Hz)       | Limits (Hz) |         |
| 3.87            | -30              | 14.04               | ±2060.5     | 11.88            | ±2091.5     | 22.54            | ±2122       | Pass    |
|                 | -20              | 16.82               |             | 12.75            |             | 22.92            |             |         |
|                 | -10              | 15.82               |             | 13.82            |             | 16.66            |             |         |
|                 | 0                | 13.37               |             | 14.63            |             | 18.69            |             |         |
|                 | +10              | 12.43               |             | 11.33            |             | 11.66            |             |         |
|                 | +20              | 14.75               |             | 8.72             |             | 14.46            |             |         |
|                 | +25              | 12.3                |             | 14.88            |             | 11.91            |             |         |
|                 | +30              | 13.56               |             | 16.21            |             | 12.69            |             |         |
|                 | +40              | 9.2                 |             | 14.5             |             | 20.21            |             |         |
|                 | +50              | 15.72               |             | 10.62            |             | 18.79            |             |         |
|                 | +60              | 12.53               | 16.01       | 24.99            |             |                  |             |         |
| 4.45            | +25              | 9.2                 |             | 10.23            |             | 19.76            |             |         |
| 3.45            | +25              | 12.91               |             | 18.98            |             | 19.21            |             |         |

EGPRS 1900

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1850.2 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1909.8 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.87            | -30              | 20.86               | ±4625.5     | 27.02           | ±4700.0     | 27.64             | ±4774.5     | Pass    |
|                 | -20              | 20.95               |             | 26.31           |             | 21.37             |             |         |
|                 | -10              | -24.21              |             | 17.43           |             | 22.18             |             |         |
|                 | 0                | 28.67               |             | 35.45           |             | -16.66            |             |         |
|                 | +10              | -10.33              |             | -13.43          |             | 12.27             |             |         |
|                 | +20              | -18.44              |             | 28.61           |             | 32.38             |             |         |
|                 | +25              | 15.56               |             | 20.37           |             | 16.08             |             |         |
|                 | +30              | 15.43               |             | 26.18           |             | 13.98             |             |         |
|                 | +40              | -18.85              |             | 25.93           |             | 16.43             |             |         |
|                 | +50              | 31.51               |             | 23.25           |             | 20.92             |             |         |
|                 | +60              | 14.85               | -16.4       | 25.54           |             |                   |             |         |
| 4.45            | +25              | 10.56               |             | 22.79           |             | 18.44             |             |         |
| 3.45            | +25              | 37.16               |             | 18.34           |             | 8.68              |             |         |

WCDMA Band 2

| Test Conditions |                  | Frequency Deviation |             |                 |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-----------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1852.4 MHz   |             | MCH<br>1880 MHz |             | HCH<br>1907.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)      | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.87            | -30              | -2.39               | ±4631       | 0.69            | ±4700       | -5.54             | ±4769       | Pass    |
|                 | -20              | 4.53                |             | -9.28           |             | -3.58             |             |         |
|                 | -10              | -4.28               |             | 4.89            |             | 3.6               |             |         |
|                 | 0                | -1.12               |             | -2.58           |             | 4.46              |             |         |
|                 | +10              | -0.69               |             | 4.21            |             | -1.37             |             |         |
|                 | +20              | -5.32               |             | 2.5             |             | -11.81            |             |         |
|                 | +25              | -1.72               |             | -1.49           |             | 2.44              |             |         |
|                 | +30              | -0.35               |             | 0.18            |             | -1.51             |             |         |
|                 | +40              | -6.87               |             | -4.71           |             | -0.24             |             |         |
|                 | +50              | 0.51                |             | -2.01           |             | 9.44              |             |         |
|                 | +60              | 0.49                |             | -2.95           |             | -1.03             |             |         |
| 4.45            | +25              | -2.7                | -3.62       | -3.58           |             |                   |             |         |
| 3.45            | +25              | -0.11               | -3.25       | 0.97            |             |                   |             |         |

WCDMA Band 4

| Test Conditions |                  | Frequency Deviation |             |                   |             |                   |             | Verdict |
|-----------------|------------------|---------------------|-------------|-------------------|-------------|-------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | LCH<br>1712.4 MHz   |             | MCH<br>1732.4 MHz |             | HCH<br>1752.6 MHz |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) | Value (Hz)        | Limits (Hz) | Value (Hz)        | Limits (Hz) |         |
| 3.87            | -30              | -3.8                | ±4281       | 2.42              | ±4331       | -4.58             | ±4381.5     | Pass    |
|                 | -20              | -0.54               |             | 4.3               |             | 2.68              |             |         |
|                 | -10              | 5.88                |             | 4.63              |             | -4.03             |             |         |
|                 | 0                | -2.36               |             | -2.5              |             | -8.77             |             |         |
|                 | +10              | -4.43               |             | -3.91             |             | 6.17              |             |         |
|                 | +20              | -2.02               |             | -9.28             |             | 7.11              |             |         |
|                 | +25              | 4.52                |             | 4.48              |             | -5.64             |             |         |
|                 | +30              | -4.34               |             | -7.48             |             | -4.67             |             |         |
|                 | +40              | -1.6                |             | -4.56             |             | -0.3              |             |         |
|                 | +50              | -6.45               |             | -5.14             |             | 6.4               |             |         |
|                 | +60              | -3.58               |             | -2.56             |             | 0.48              |             |         |
| 4.45            | +25              | -3.67               |             | -12.85            |             | 7.8               |             |         |
| 3.45            | +25              | -6.83               |             | -7.38             |             | 1.8               |             |         |

WCDMA Band B5

| Test Conditions |                     | Frequency Deviation |                |                  |                |                  |                | Verdict |
|-----------------|---------------------|---------------------|----------------|------------------|----------------|------------------|----------------|---------|
| Power<br>(VDC)  | Temperature<br>(°C) | LCH<br>826.4 MHz    |                | MCH<br>836.4 MHz |                | HCH<br>846.6 MHz |                |         |
|                 |                     | Value<br>(Hz)       | Limits<br>(Hz) | Value<br>(Hz)    | Limits<br>(Hz) | Value<br>(Hz)    | Limits<br>(Hz) |         |
| 3.87            | -30                 | -1.67               | ±2066          | -0.26            | ±2091          | -2.88            | ±2116.5        | Pass    |
|                 | -20                 | 1.43                |                | 1.9              |                | 0.21             |                |         |
|                 | -10                 | 2.2                 |                | 1.32             |                | 2.58             |                |         |
|                 | 0                   | 0.59                |                | 1.06             |                | 1.41             |                |         |
|                 | +10                 | 3.66                |                | -0.46            |                | 2.07             |                |         |
|                 | +20                 | -0.25               |                | 1.04             |                | 0.66             |                |         |
|                 | +25                 | 0.88                |                | -0.87            |                | -0.72            |                |         |
|                 | +30                 | -1.94               |                | -2.12            |                | 1.32             |                |         |
|                 | +40                 | 1.06                |                | 2.1              |                | -1.47            |                |         |
|                 | +50                 | 3.38                |                | -0.93            |                | -0.32            |                |         |
|                 | +60                 | -1.64               |                | 1.74             |                | -0.87            |                |         |
| 4.45            | +25                 | 0.11                | ±2066          | -4.03            | ±2091          | -1.8             | ±2116.5        | Pass    |
| 3.45            | +25                 | 0.91                |                | -0.3             |                | -1.37            |                |         |

LTE Band 2 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 50.43               | ±4700       | Pass    |
|                 | -20              | 35.36               |             |         |
|                 | -10              | 3.91                |             |         |
|                 | 0                | 15.51               |             |         |
|                 | +10              | 28.98               |             |         |
|                 | +20              | -4.03               |             |         |
|                 | +25              | 7.5                 |             |         |
|                 | +30              | 21.14               |             |         |
|                 | +40              | 36.44               |             |         |
|                 | +50              | 9.88                |             |         |
|                 | +60              | 0.26                |             |         |
| 4.45            | +25              | 30.34               |             |         |
| 3.45            | +25              | 38.62               |             |         |

LTE Band 2 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1880 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 40.96               | ±4700       | Pass    |
|                 | -20              | 42.96               |             |         |
|                 | -10              | 6.77                |             |         |
|                 | 0                | 17.29               |             |         |
|                 | +10              | 33.49               |             |         |
|                 | +20              | -1.92               |             |         |
|                 | +25              | 5.94                |             |         |
|                 | +30              | 21.26               |             |         |
|                 | +40              | 38.65               |             |         |
|                 | +50              | 6.67                |             |         |
|                 | +60              | 3.88                |             |         |
| 4.45            | +25              | 34.15               |             |         |
| 3.45            | +25              | 40.5                |             |         |

LTE Band 4 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 21.82               | ±4331.25    | Pass    |
|                 | -20              | 26.71               |             |         |
|                 | -10              | -0.87               |             |         |
|                 | 0                | -0.37               |             |         |
|                 | +10              | 31.9                |             |         |
|                 | +20              | 29.21               |             |         |
|                 | +25              | -11.22              |             |         |
|                 | +30              | -5.78               |             |         |
|                 | +40              | 21.4                |             |         |
|                 | +50              | 8.98                |             |         |
|                 | +60              | 15.89               |             |         |
| 4.45            | +25              | 18.93               |             |         |
| 3.45            | +25              | 30.84               |             |         |

LTE Band 4 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1732.5 MHz   |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 33.29               | ±4331.25    | Pass    |
|                 | -20              | 11.06               |             |         |
|                 | -10              | 4.28                |             |         |
|                 | 0                | 7.67                |             |         |
|                 | +10              | 3.38                |             |         |
|                 | +20              | 37.78               |             |         |
|                 | +25              | -15.18              |             |         |
|                 | +30              | -0.34               |             |         |
|                 | +40              | 24.26               |             |         |
|                 | +50              | 14.75               |             |         |
|                 | +60              | 20.61               |             |         |
| 4.45            | +25              | 20.94               |             |         |
| 3.45            | +25              | 34.6                |             |         |

LTE Band 5 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 3.36                | ±2091.25    | Pass    |
|                 | -20              | 19.27               |             |         |
|                 | -10              | 34.9                |             |         |
|                 | 0                | 45.7                |             |         |
|                 | +10              | 6.45                |             |         |
|                 | +20              | 16.25               |             |         |
|                 | +25              | 23                  |             |         |
|                 | +30              | 27.71               |             |         |
|                 | +40              | 33.06               |             |         |
|                 | +50              | 39.11               |             |         |
|                 | +60              | 36.64               |             |         |
| 4.45            | +25              | -0.1                |             |         |
| 3.45            | +25              | 6.54                |             |         |

LTE Band 5 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 8.11                | ±2091.25    | Pass    |
|                 | -20              | 24.92               |             |         |
|                 | -10              | 38.45               |             |         |
|                 | 0                | 45                  |             |         |
|                 | +10              | 10.24               |             |         |
|                 | +20              | 18.91               |             |         |
|                 | +25              | 22.3                |             |         |
|                 | +30              | 29.31               |             |         |
|                 | +40              | 34.38               |             |         |
|                 | +50              | 33.7                |             |         |
|                 | +60              | 39.35               |             |         |
| 4.45            | +25              | 1.22                |             |         |
| 3.45            | +25              | 6.9                 |             |         |

LTE Band 7 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 12.1                | ±6337.5     | Pass    |
|                 | -20              | 19.1                |             |         |
|                 | -10              | 22.46               |             |         |
|                 | 0                | 17.51               |             |         |
|                 | +10              | 10.27               |             |         |
|                 | +20              | 14.55               |             |         |
|                 | +25              | 41.86               |             |         |
|                 | +30              | 16.42               |             |         |
|                 | +40              | 43.03               |             |         |
|                 | +50              | 34.5                |             |         |
|                 | +60              | 34.72               |             |         |
| 4.45            | +25              | 22.39               |             |         |
| 3.45            | +25              | -11.16              |             |         |

LTE Band 7 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2535 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 37.47               | ±6337.5     | Pass    |
|                 | -20              | 10.21               |             |         |
|                 | -10              | 39.38               |             |         |
|                 | 0                | 27.51               |             |         |
|                 | +10              | 19.43               |             |         |
|                 | +20              | 20.93               |             |         |
|                 | +25              | 51.2                |             |         |
|                 | +30              | 20.53               |             |         |
|                 | +40              | 32.83               |             |         |
|                 | +50              | 18.68               |             |         |
|                 | +60              | 38.52               |             |         |
| 4.45            | +25              | 25.79               |             |         |
| 3.45            | +25              | -4.62               |             |         |

LTE Band 12 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 4.45                | ±1768.75    | Pass    |
|                 | -20              | 18.85               |             |         |
|                 | -10              | 31.01               |             |         |
|                 | 0                | 40.27               |             |         |
|                 | +10              | 9.97                |             |         |
|                 | +20              | 19.57               |             |         |
|                 | +25              | 26.91               |             |         |
|                 | +30              | 33.87               |             |         |
|                 | +40              | 40.11               |             |         |
|                 | +50              | 46.01               |             |         |
|                 | +60              | -4.02               |             |         |
| 4.45            | +25              | 1.44                |             |         |
| 3.45            | +25              | 3.86                |             |         |

LTE Band 12 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>707.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 7.57                | ±1768.75    | Pass    |
|                 | -20              | 21                  |             |         |
|                 | -10              | 31.79               |             |         |
|                 | 0                | 41.83               |             |         |
|                 | +10              | 11.49               |             |         |
|                 | +20              | 20.99               |             |         |
|                 | +25              | 25.23               |             |         |
|                 | +30              | 34.19               |             |         |
|                 | +40              | 41.47               |             |         |
|                 | +50              | 46.19               |             |         |
|                 | +60              | -2.93               |             |         |
| 4.45            | +25              | 0.74                |             |         |
| 3.45            | +25              | 5.54                |             |         |

LTE Band 17 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 5.65                | ±1775       | Pass    |
|                 | -20              | 10.26               |             |         |
|                 | -10              | 16.79               |             |         |
|                 | 0                | 21.4                |             |         |
|                 | +10              | 28.9                |             |         |
|                 | +20              | 35.29               |             |         |
|                 | +25              | 43.14               |             |         |
|                 | +30              | 16.26               |             |         |
|                 | +40              | 6.85                |             |         |
|                 | +50              | 12.15               |             |         |
|                 | +60              | 19.5                |             |         |
| 4.45            | +25              | 20.2                |             |         |
| 3.45            | +25              | 19.37               |             |         |

LTE Band 17 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>710 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 6.92                | ±1775       | Pass    |
|                 | -20              | 10.93               |             |         |
|                 | -10              | 17.42               |             |         |
|                 | 0                | 22.52               |             |         |
|                 | +10              | 29.1                |             |         |
|                 | +20              | 36.46               |             |         |
|                 | +25              | 43.89               |             |         |
|                 | +30              | 1.34                |             |         |
|                 | +40              | 7.51                |             |         |
|                 | +50              | 10.79               |             |         |
|                 | +60              | 17.87               |             |         |
| 4.45            | +25              | 18.61               |             |         |
| 3.45            | +25              | 20.76               |             |         |

LTE Band 26 (Part22) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 21.63               | ±2091.25    | Pass    |
|                 | -20              | 13.69               |             |         |
|                 | -10              | 41.04               |             |         |
|                 | 0                | 8.94                |             |         |
|                 | +10              | 28.07               |             |         |
|                 | +20              | 42.5                |             |         |
|                 | +25              | 4.88                |             |         |
|                 | +30              | 13.76               |             |         |
|                 | +40              | 24.28               |             |         |
|                 | +50              | 31.63               |             |         |
|                 | +60              | -0.03               |             |         |
| 4.45            | +25              | 18.81               |             |         |
| 3.45            | +25              | 27.68               |             |         |

LTE Band 26 (Part22) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>836.5 MHz    |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 33.49               | ±2091.25    | Pass    |
|                 | -20              | 22.23               |             |         |
|                 | -10              | 46.09               |             |         |
|                 | 0                | 12.26               |             |         |
|                 | +10              | 30.96               |             |         |
|                 | +20              | -4.35               |             |         |
|                 | +25              | 5.78                |             |         |
|                 | +30              | 15.41               |             |         |
|                 | +40              | 24.52               |             |         |
|                 | +50              | 33.46               |             |         |
|                 | +60              | 2.57                |             |         |
| 4.45            | +25              | 20.54               |             |         |
| 3.45            | +25              | 29.24               |             |         |

LTE Band 26 (Part90) QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | -8.85               | ±2047.5     | Pass    |
|                 | -20              | -22.39              |             |         |
|                 | -10              | -20.4               |             |         |
|                 | 0                | -40.05              |             |         |
|                 | +10              | -14.43              |             |         |
|                 | +20              | -25.82              |             |         |
|                 | +25              | -39.57              |             |         |
|                 | +30              | -33.62              |             |         |
|                 | +40              | -29.37              |             |         |
|                 | +50              | -14.56              |             |         |
|                 | +60              | -27.49              |             |         |
| 4.45            | +25              | -31.63              |             |         |
| 3.45            | +25              | -6.57               |             |         |

LTE Band 26 (Part90) 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>819 MHz      |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | -36.51              | ±2047.5     | Pass    |
|                 | -20              | -26.68              |             |         |
|                 | -10              | -32.23              |             |         |
|                 | 0                | -9.24               |             |         |
|                 | +10              | -17.08              |             |         |
|                 | +20              | -14.73              |             |         |
|                 | +25              | -5.82               |             |         |
|                 | +30              | -45.75              |             |         |
|                 | +40              | -39.77              |             |         |
|                 | +50              | -23.75              |             |         |
|                 | +60              | -35.53              |             |         |
| 4.45            | +25              | -40.43              |             |         |
| 3.45            | +25              | -14.66              |             |         |

LTE Band 38 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 35.91               | ±6487.5     | Pass    |
|                 | -20              | 35.71               |             |         |
|                 | -10              | 43.82               |             |         |
|                 | 0                | 35.73               |             |         |
|                 | +10              | 35.71               |             |         |
|                 | +20              | 7.1                 |             |         |
|                 | +25              | 11.27               |             |         |
|                 | +30              | 42.19               |             |         |
|                 | +40              | 10.09               |             |         |
|                 | +50              | 30.44               |             |         |
|                 | +60              | 14.58               |             |         |
| 4.45            | +25              | 7.65                |             |         |
| 3.45            | +25              | 18.12               |             |         |

LTE Band 38 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2595 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 17.11               | ±6487.5     | Pass    |
|                 | -20              | 17.95               |             |         |
|                 | -10              | -5.98               |             |         |
|                 | 0                | 40.55               |             |         |
|                 | +10              | 42.47               |             |         |
|                 | +20              | 6.47                |             |         |
|                 | +25              | 17.05               |             |         |
|                 | +30              | 23.99               |             |         |
|                 | +40              | 18.14               |             |         |
|                 | +50              | 35.48               |             |         |
|                 | +60              | 24.55               |             |         |
| 4.45            | +25              | 9.06                |             |         |
| 3.45            | +25              | 22.52               |             |         |

LTE Band 41 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 28.65               | ±6482.5     | Pass    |
|                 | -20              | 41.18               |             |         |
|                 | -10              | 7.84                |             |         |
|                 | 0                | 18.24               |             |         |
|                 | +10              | 24.85               |             |         |
|                 | +20              | 30.03               |             |         |
|                 | +25              | 36.45               |             |         |
|                 | +30              | 40.64               |             |         |
|                 | +40              | 41.99               |             |         |
|                 | +50              | -17.65              |             |         |
|                 | +60              | -9.78               |             |         |
| 4.45            | +25              | 0.49                |             |         |
| 3.45            | +25              | 2.52                |             |         |

LTE Band 41 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>2593 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 9.08                | ±6482.5     | Pass    |
|                 | -20              | 22.57               |             |         |
|                 | -10              | 11.99               |             |         |
|                 | 0                | 19.84               |             |         |
|                 | +10              | 27.62               |             |         |
|                 | +20              | 32.56               |             |         |
|                 | +25              | 38.19               |             |         |
|                 | +30              | 40.83               |             |         |
|                 | +40              | 43.16               |             |         |
|                 | +50              | -14.62              |             |         |
|                 | +60              | -10.2               |             |         |
| 4.45            | +25              | 0.36                |             |         |
| 3.45            | +25              | 4.66                |             |         |

LTE Band 66 QPSK 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 16.28               | ±4362.5     | Pass    |
|                 | -20              | 27.91               |             |         |
|                 | -10              | 26.24               |             |         |
|                 | 0                | 12.4                |             |         |
|                 | +10              | 25.48               |             |         |
|                 | +20              | 30.74               |             |         |
|                 | +25              | -25.55              |             |         |
|                 | +30              | -7.08               |             |         |
|                 | +40              | 14.29               |             |         |
|                 | +50              | 1.39                |             |         |
|                 | +60              | 33.06               |             |         |
| 4.45            | +25              | 24.68               |             |         |
| 3.45            | +25              | 32.94               |             |         |

LTE Band 66 16QAM 10 MHz

| Test Conditions |                  | Frequency Deviation |             | Verdict |
|-----------------|------------------|---------------------|-------------|---------|
| Power (VDC)     | Temperature (°C) | MCH<br>1745 MHz     |             |         |
|                 |                  | Value (Hz)          | Limits (Hz) |         |
| 3.87            | -30              | 34.06               | ±4362.5     | Pass    |
|                 | -20              | 33.87               |             |         |
|                 | -10              | 30.76               |             |         |
|                 | 0                | 16.75               |             |         |
|                 | +10              | 16.12               |             |         |
|                 | +20              | -11.29              |             |         |
|                 | +25              | -31.7               |             |         |
|                 | +30              | -1.52               |             |         |
|                 | +40              | 21.72               |             |         |
|                 | +50              | 3.46                |             |         |
|                 | +60              | 38.44               |             |         |
| 4.45            | +25              | 26.92               |             |         |
| 3.45            | +25              | 35.06               |             |         |

## A.5 Spurious Emission at Antenna Terminals

Note 1: GSM and EGPRS modes have been verified, and only the worst data with different bandwidth for LTE are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document "Annex No.: BL-SZ2441239-501 Data Part 3.pdf".

Note 4: The disturbance above 26.5GHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Refer to Plot <sup>Note3</sup> | Verdict |
|--------------|--------------|--------------------------------|---------|
| GSM 850      | LCH          | 1.1                            | Pass    |
|              | MCH          | 1.2                            | Pass    |
|              | HCH          | 1.3                            | Pass    |
| GSM 1900     | LCH          | 2.1                            | Pass    |
|              | MCH          | 2.2                            | Pass    |
|              | HCH          | 2.3                            | Pass    |
| EGPRS 850    | LCH          | 3.1                            | Pass    |
|              | MCH          | 3.2                            | Pass    |
|              | HCH          | 3.3                            | Pass    |
| EGPRS 1900   | LCH          | 4.1                            | Pass    |
|              | MCH          | 4.2                            | Pass    |
|              | HCH          | 4.3                            | Pass    |
| WCDMA Band 2 | LCH          | 5.1                            | Pass    |
|              | MCH          | 5.2                            | Pass    |
|              | HCH          | 5.3                            | Pass    |
| WCDMA Band 4 | LCH          | 6.1                            | Pass    |
|              | MCH          | 6.2                            | Pass    |
|              | HCH          | 6.3                            | Pass    |
| WCDMA Band 5 | LCH          | 7.1                            | Pass    |
|              | MCH          | 7.2                            | Pass    |
|              | HCH          | 7.3                            | Pass    |

LTE Mode Test Verdict

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 8.1                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.2                            | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 8.3                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.4                            | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 8.5                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.6                            | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 8.7                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.8                            | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 8.9                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.10                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 8.11                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.12                           | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 8.13                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.14                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 8.15                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.16                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 8.17                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.18                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 8.19                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.20                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 8.21                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.22                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 8.23                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.24                           | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 8.25                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.26                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 8.27                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.28                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 8.29                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.30                           | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 8.31                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.32                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 8.33                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.34                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 8.35                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.36                           | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 9.1                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.2                            | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 9.3                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.4                            | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 9.5                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.6                            | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 9.7                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.8                            | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 9.9                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.10                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 9.11                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.12                           | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 9.13                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.14                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 9.15                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.16                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 9.17                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.18                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 9.19                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.20                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 9.21                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.22                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 9.23                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.24                           | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 9.25                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.26                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 9.27                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.28                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 9.29                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.30                           | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 9.31                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.32                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 9.33                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.34                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 9.35                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.36                           | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 10.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 10.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 10.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.6                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 10.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 10.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 10.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.12                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 10.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 10.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 10.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.18                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 10.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 10.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 10.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.24                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB1#0                 | 11.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 11.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 11.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 11.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 11.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 11.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.12                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 11.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 11.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 11.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.18                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 11.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 11.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 11.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.24                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 12.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 12.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 12.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.6                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 12.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 12.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 12.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.12                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 12.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 12.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 12.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.18                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 12.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 12.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 12.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.24                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 13.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 13.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 13.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 13.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 13.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 13.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.12                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 14.1                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.2                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.3                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.5                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.6                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 14.7                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.8                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.9                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.10                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.11                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.12                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 14.13                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.14                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.15                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.16                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.17                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.18                          | Pass    |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 14.19                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.20                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.21                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.22                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.23                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.24                          | Pass    |
|                  | 15 MHz         | LCH          | QPSK      | RB1#0                 | 14.25                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.26                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 14.27                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.28                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 14.29                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.30                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 15.1                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.2                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.3                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.5                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.6                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 15.7                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.8                           | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.9                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.10                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.11                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.12                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 15.13                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.14                          | Pass    |
|                  |                | MCH          | QPSK      | RB1#0                 | 15.15                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.16                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#0                 | 15.17                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.18                          | Pass    |
|                  | 10 MHz         | MCH          | QPSK      | RB1#0                 | 15.19                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 15.20                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 16.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 16.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 16.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 16.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 16.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 16.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.12                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 16.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 16.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 16.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.18                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 16.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 16.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 16.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.24                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 17.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.6                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 17.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.12                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 17.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.18                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 17.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 17.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 17.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.24                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note3</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 18.1                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.2                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.3                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.5                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.6                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 18.7                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.8                           | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.9                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.10                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.11                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.12                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 18.13                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.14                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.15                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.16                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.17                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.18                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 18.19                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.20                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.21                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.22                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.23                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.24                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 18.25                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.26                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.27                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.29                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.30                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 18.31                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.32                          | Pass    |
|           |                | MCH          | QPSK      | RB1#0                 | 18.33                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.34                          | Pass    |
|           |                | HCH          | QPSK      | RB1#0                 | 18.35                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.36                          | Pass    |

## A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.: BL-SZ2441239-501 Data Part 4.pdf”.

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Refer to Plot <sup>Note1</sup> | Verdict |
|--------------|--------------|--------------------------------|---------|
| GSM 850      | LCH          | 1.1                            | Pass    |
|              | HCH          | 1.2                            | Pass    |
| GSM 1900     | LCH          | 2.1                            | Pass    |
|              | HCH          | 2.2                            | Pass    |
| EGPRS 850    | LCH          | 3.1                            | Pass    |
|              | HCH          | 3.2                            | Pass    |
| EGPRS 1900   | LCH          | 4.1                            | Pass    |
|              | HCH          | 4.2                            | Pass    |
| WCDMA Band 2 | LCH          | 5.1                            | Pass    |
|              | HCH          | 5.2                            | Pass    |
| WCDMA Band 4 | LCH          | 6.1                            | Pass    |
|              | HCH          | 6.2                            | Pass    |
| WCDMA Band 5 | LCH          | 7.1                            | Pass    |
|              | HCH          | 7.2                            | Pass    |

LTE Mode Test Verdict

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 2    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 8.1                            | Pass    |
|           |                |              |           | RB6#0                 | 8.2                            | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.3                            | Pass    |
|           |                |              |           | RB6#0                 | 8.4                            | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 8.5                            | Pass    |
|           |                |              |           | RB6#0                 | 8.6                            | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 8.7                            | Pass    |
|           |                |              |           | RB6#0                 | 8.8                            | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 8.9                            | Pass    |
|           |                |              |           | RB15#0                | 8.10                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.11                           | Pass    |
|           |                |              |           | RB15#0                | 8.12                           | Pass    |
|           |                | HCH          | QPSK      | RB1#14                | 8.13                           | Pass    |
|           |                |              |           | RB15#0                | 8.14                           | Pass    |
|           |                |              | 16-QAM    | RB1#14                | 8.15                           | Pass    |
|           |                |              |           | RB15#0                | 8.16                           | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 8.17                           | Pass    |
|           |                |              |           | RB25#0                | 8.18                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.19                           | Pass    |
|           |                |              |           | RB25#0                | 8.20                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 8.21                           | Pass    |
|           |                |              |           | RB25#0                | 8.22                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 8.23                           | Pass    |
|           |                |              |           | RB25#0                | 8.24                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 8.25                           | Pass    |
|           |                |              |           | RB50#0                | 8.26                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.27                           | Pass    |
|           |                |              |           | RB50#0                | 8.28                           | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 8.29                           | Pass    |
|           |                |              |           | RB50#0                | 8.30                           | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 8.31                           | Pass    |
|           |                |              |           | RB50#0                | 8.32                           | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 8.33                           | Pass    |
|           |                |              |           | RB75#0                | 8.34                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.35                           | Pass    |
|           |                |              |           | RB75#0                | 8.36                           | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 8.37                           | Pass    |
|           |                |              |           | RB75#0                | 8.38                           | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 8.39                           | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           |                |              |           | RB75#0                | 8.40                           | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 8.41                           | Pass    |
|           |                |              |           | RB100#0               | 8.42                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 8.43                           | Pass    |
|           |                |              |           | RB100#0               | 8.44                           | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 8.45                           | Pass    |
|           |                |              |           | RB100#0               | 8.46                           | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 8.47                           | Pass    |
|           |                |              |           | RB100#0               | 8.48                           | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB<br>(Size#Offset) | Refer to<br>Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|--------------------------|-----------------------------------|---------|
| Band 4    | 1.4 MHz        | LCH          | QPSK      | RB1#0                    | 9.1                               | Pass    |
|           |                |              |           | RB6#0                    | 9.2                               | Pass    |
|           |                |              | 16-QAM    | RB1#0                    | 9.3                               | Pass    |
|           |                |              |           | RB6#0                    | 9.4                               | Pass    |
|           |                | HCH          | QPSK      | RB1#5                    | 9.5                               | Pass    |
|           |                |              |           | RB6#0                    | 9.6                               | Pass    |
|           |                |              | 16-QAM    | RB1#5                    | 9.7                               | Pass    |
|           |                |              |           | RB6#0                    | 9.8                               | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                    | 9.9                               | Pass    |
|           |                |              |           | RB15#0                   | 9.10                              | Pass    |
|           |                |              | 16-QAM    | RB1#0                    | 9.11                              | Pass    |
|           |                |              |           | RB15#0                   | 9.12                              | Pass    |
|           |                | HCH          | QPSK      | RB1#14                   | 9.13                              | Pass    |
|           |                |              |           | RB15#0                   | 9.14                              | Pass    |
|           |                |              | 16-QAM    | RB1#14                   | 9.15                              | Pass    |
|           |                |              |           | RB15#0                   | 9.16                              | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                    | 9.17                              | Pass    |
|           |                |              |           | RB25#0                   | 9.18                              | Pass    |
|           |                |              | 16-QAM    | RB1#0                    | 9.19                              | Pass    |
|           |                |              |           | RB25#0                   | 9.20                              | Pass    |
|           |                | HCH          | QPSK      | RB1#24                   | 9.21                              | Pass    |
|           |                |              |           | RB25#0                   | 9.22                              | Pass    |
|           |                |              | 16-QAM    | RB1#24                   | 9.23                              | Pass    |
|           |                |              |           | RB25#0                   | 9.24                              | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                    | 9.25                              | Pass    |
|           |                |              |           | RB50#0                   | 9.26                              | Pass    |
|           |                |              | 16-QAM    | RB1#0                    | 9.27                              | Pass    |
|           |                |              |           | RB50#0                   | 9.28                              | Pass    |
|           |                | HCH          | QPSK      | RB1#49                   | 9.29                              | Pass    |
|           |                |              |           | RB50#0                   | 9.30                              | Pass    |
|           |                |              | 16-QAM    | RB1#49                   | 9.31                              | Pass    |
|           |                |              |           | RB50#0                   | 9.32                              | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                    | 9.33                              | Pass    |
|           |                |              |           | RB75#0                   | 9.34                              | Pass    |
|           |                |              | 16-QAM    | RB1#0                    | 9.35                              | Pass    |
|           |                |              |           | RB75#0                   | 9.36                              | Pass    |
|           |                | HCH          | QPSK      | RB1#74                   | 9.37                              | Pass    |
|           |                |              |           | RB75#0                   | 9.38                              | Pass    |
|           |                |              | 16-QAM    | RB1#74                   | 9.39                              | Pass    |
|           |                |              |           | RB75#0                   | 9.40                              | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 9.41                           | Pass    |
|           |                |              |           | RB100#0               | 9.42                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 9.43                           | Pass    |
|           |                |              |           | RB100#0               | 9.44                           | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 9.45                           | Pass    |
|           |                |              |           | RB100#0               | 9.46                           | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 9.47                           | Pass    |
|           |                |              |           | RB100#0               | 9.48                           | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 5    | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 10.1                           | Pass    |
|           |                |              |           | RB6#0                 | 10.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.3                           | Pass    |
|           |                |              |           | RB6#0                 | 10.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 10.5                           | Pass    |
|           |                |              |           | RB6#0                 | 10.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 10.7                           | Pass    |
|           |                |              |           | RB6#0                 | 10.8                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 10.9                           | Pass    |
|           |                |              |           | RB15#0                | 10.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.11                          | Pass    |
|           |                |              |           | RB15#0                | 10.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#14                | 10.13                          | Pass    |
|           |                |              |           | RB15#0                | 10.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#14                | 10.15                          | Pass    |
|           |                |              |           | RB15#0                | 10.16                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 10.17                          | Pass    |
|           |                |              |           | RB25#0                | 10.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.19                          | Pass    |
|           |                |              |           | RB25#0                | 10.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 10.21                          | Pass    |
|           |                |              |           | RB25#0                | 10.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 10.23                          | Pass    |
|           |                |              |           | RB25#0                | 10.24                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 10.25                          | Pass    |
|           |                |              |           | RB50#0                | 10.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 10.27                          | Pass    |
|           |                |              |           | RB50#0                | 10.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 10.29                          | Pass    |
|           |                |              |           | RB50#0                | 10.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 10.31                          | Pass    |
|           |                |              |           | RB50#0                | 10.32                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 7    | 5 MHz          | LCH          | QPSK      | RB1#0                 | 11.1                           | Pass    |
|           |                |              |           | RB25#0                | 11.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.3                           | Pass    |
|           |                |              |           | RB25#0                | 11.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 11.5                           | Pass    |
|           |                |              |           | RB25#0                | 11.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 11.7                           | Pass    |
|           |                |              |           | RB25#0                | 11.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 11.9                           | Pass    |
|           |                |              |           | RB50#0                | 11.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.11                          | Pass    |
|           |                |              |           | RB50#0                | 11.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 11.13                          | Pass    |
|           |                |              |           | RB50#0                | 11.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 11.15                          | Pass    |
|           |                |              |           | RB50#0                | 11.16                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 11.17                          | Pass    |
|           |                |              |           | RB75#0                | 11.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.19                          | Pass    |
|           |                |              |           | RB75#0                | 11.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 11.21                          | Pass    |
|           |                |              |           | RB75#0                | 11.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 11.23                          | Pass    |
|           |                |              |           | RB75#0                | 11.24                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 11.25                          | Pass    |
|           |                |              |           | RB100#0               | 11.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 11.27                          | Pass    |
|           |                |              |           | RB100#0               | 11.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 11.29                          | Pass    |
|           |                |              |           | RB100#0               | 11.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 11.31                          | Pass    |
|           |                |              |           | RB100#0               | 11.32                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 12   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 12.1                           | Pass    |
|           |                |              |           | RB6#0                 | 12.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.3                           | Pass    |
|           |                |              |           | RB6#0                 | 12.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 12.5                           | Pass    |
|           |                |              |           | RB6#0                 | 12.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 12.7                           | Pass    |
|           |                |              |           | RB6#0                 | 12.8                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 12.9                           | Pass    |
|           |                |              |           | RB15#0                | 12.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.11                          | Pass    |
|           |                |              |           | RB15#0                | 12.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#14                | 12.13                          | Pass    |
|           |                |              |           | RB15#0                | 12.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#14                | 12.15                          | Pass    |
|           |                |              |           | RB15#0                | 12.16                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 12.17                          | Pass    |
|           |                |              |           | RB25#0                | 12.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.19                          | Pass    |
|           |                |              |           | RB25#0                | 12.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 12.21                          | Pass    |
|           |                |              |           | RB25#0                | 12.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 12.23                          | Pass    |
|           |                |              |           | RB25#0                | 12.24                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 12.25                          | Pass    |
|           |                |              |           | RB50#0                | 12.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 12.27                          | Pass    |
|           |                |              |           | RB50#0                | 12.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 12.29                          | Pass    |
|           |                |              |           | RB50#0                | 12.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 12.31                          | Pass    |
|           |                |              |           | RB50#0                | 12.32                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 17   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 13.1                           | Pass    |
|           |                |              |           | RB25#0                | 13.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.3                           | Pass    |
|           |                |              |           | RB25#0                | 13.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 13.5                           | Pass    |
|           |                |              |           | RB25#0                | 13.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 13.7                           | Pass    |
|           |                |              |           | RB25#0                | 13.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 13.9                           | Pass    |
|           |                |              |           | RB50#0                | 13.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 13.11                          | Pass    |
|           |                |              |           | RB50#0                | 13.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 13.13                          | Pass    |
|           |                |              |           | RB50#0                | 13.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 13.15                          | Pass    |
|           |                |              |           | RB50#0                | 13.16                          | Pass    |

| Test Band        | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26 (Part22) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 14.1                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.2                           | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.3                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.4                           | Pass    |
|                  |                | HCH          | QPSK      | RB1#5                 | 14.5                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.6                           | Pass    |
|                  |                |              | 16-QAM    | RB1#5                 | 14.7                           | Pass    |
|                  |                |              |           | RB6#0                 | 14.8                           | Pass    |
|                  | 3 MHz          | LCH          | QPSK      | RB1#0                 | 14.9                           | Pass    |
|                  |                |              |           | RB15#0                | 14.10                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.11                          | Pass    |
|                  |                |              |           | RB15#0                | 14.12                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#14                | 14.13                          | Pass    |
|                  |                |              |           | RB15#0                | 14.14                          | Pass    |
|                  |                |              | 16-QAM    | RB1#14                | 14.15                          | Pass    |
|                  |                |              |           | RB15#0                | 14.16                          | Pass    |
|                  | 5 MHz          | LCH          | QPSK      | RB1#0                 | 14.17                          | Pass    |
|                  |                |              |           | RB25#0                | 14.18                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.19                          | Pass    |
|                  |                |              |           | RB25#0                | 14.20                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#24                | 14.21                          | Pass    |
|                  |                |              |           | RB25#0                | 14.22                          | Pass    |
|                  |                |              | 16-QAM    | RB1#24                | 14.23                          | Pass    |
|                  |                |              |           | RB25#0                | 14.24                          | Pass    |
|                  | 10 MHz         | LCH          | QPSK      | RB1#0                 | 14.25                          | Pass    |
|                  |                |              |           | RB50#0                | 14.26                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.27                          | Pass    |
|                  |                |              |           | RB50#0                | 14.28                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#49                | 14.29                          | Pass    |
|                  |                |              |           | RB50#0                | 14.30                          | Pass    |
|                  |                |              | 16-QAM    | RB1#49                | 14.31                          | Pass    |
|                  |                |              |           | RB50#0                | 14.32                          | Pass    |
|                  | 15 MHz         | LCH          | QPSK      | RB1#0                 | 14.33                          | Pass    |
|                  |                |              |           | RB75#0                | 14.34                          | Pass    |
|                  |                |              | 16-QAM    | RB1#0                 | 14.35                          | Pass    |
|                  |                |              |           | RB75#0                | 14.36                          | Pass    |
|                  |                | HCH          | QPSK      | RB1#74                | 14.37                          | Pass    |
|                  |                |              |           | RB75#0                | 14.38                          | Pass    |
|                  |                |              | 16-QAM    | RB1#74                | 14.39                          | Pass    |
|                  |                |              |           | RB75#0                | 14.40                          | Pass    |

| Test Band           | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|---------------------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 26<br>(Part90) | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 15.1                           | Pass    |
|                     |                |              |           | RB6#0                 | 15.2                           | Pass    |
|                     |                |              | 16-QAM    | RB1#0                 | 15.3                           | Pass    |
|                     |                |              |           | RB6#0                 | 15.4                           | Pass    |
|                     |                | HCH          | QPSK      | RB1#5                 | 15.5                           | Pass    |
|                     |                |              |           | RB6#0                 | 15.6                           | Pass    |
|                     |                |              | 16-QAM    | RB1#5                 | 15.7                           | Pass    |
|                     |                |              |           | RB6#0                 | 15.8                           | Pass    |
|                     | 3 MHz          | LCH          | QPSK      | RB1#0                 | 15.9                           | Pass    |
|                     |                |              |           | RB15#0                | 15.10                          | Pass    |
|                     |                |              | 16-QAM    | RB1#0                 | 15.11                          | Pass    |
|                     |                |              |           | RB15#0                | 15.12                          | Pass    |
|                     |                | HCH          | QPSK      | RB1#14                | 15.13                          | Pass    |
|                     |                |              |           | RB15#0                | 15.14                          | Pass    |
|                     |                |              | 16-QAM    | RB1#14                | 15.15                          | Pass    |
|                     |                |              |           | RB15#0                | 15.16                          | Pass    |
|                     | 5 MHz          | LCH          | QPSK      | RB1#0                 | 15.17                          | Pass    |
|                     |                |              |           | RB25#0                | 15.18                          | Pass    |
|                     |                |              | 16-QAM    | RB1#0                 | 15.19                          | Pass    |
|                     |                |              |           | RB25#0                | 15.20                          | Pass    |
|                     |                | HCH          | QPSK      | RB1#24                | 15.21                          | Pass    |
|                     |                |              |           | RB25#0                | 15.22                          | Pass    |
|                     |                |              | 16-QAM    | RB1#24                | 15.23                          | Pass    |
|                     |                |              |           | RB25#0                | 15.24                          | Pass    |
|                     | 10 MHz         | LCH          | QPSK      | RB1#0                 | 15.25                          | Pass    |
|                     |                |              |           | RB50#0                | 15.26                          | Pass    |
|                     |                |              | 16-QAM    | RB1#0                 | 15.27                          | Pass    |
|                     |                |              |           | RB50#0                | 15.28                          | Pass    |
|                     |                | HCH          | QPSK      | RB1#49                | 15.29                          | Pass    |
|                     |                |              |           | RB50#0                | 15.30                          | Pass    |
|                     |                |              | 16-QAM    | RB1#49                | 15.31                          | Pass    |
|                     |                |              |           | RB50#0                | 15.32                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 38   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 16.1                           | Pass    |
|           |                |              |           | RB25#0                | 16.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.3                           | Pass    |
|           |                |              |           | RB25#0                | 16.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 16.5                           | Pass    |
|           |                |              |           | RB25#0                | 16.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 16.7                           | Pass    |
|           |                |              |           | RB25#0                | 16.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 16.9                           | Pass    |
|           |                |              |           | RB50#0                | 16.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.11                          | Pass    |
|           |                |              |           | RB50#0                | 16.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 16.13                          | Pass    |
|           |                |              |           | RB50#0                | 16.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 16.15                          | Pass    |
|           |                |              |           | RB50#0                | 16.16                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 16.17                          | Pass    |
|           |                |              |           | RB75#0                | 16.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.19                          | Pass    |
|           |                |              |           | RB75#0                | 16.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 16.21                          | Pass    |
|           |                |              |           | RB75#0                | 16.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 16.23                          | Pass    |
|           |                |              |           | RB75#0                | 16.24                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 16.25                          | Pass    |
|           |                |              |           | RB100#0               | 16.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 16.27                          | Pass    |
|           |                |              |           | RB100#0               | 16.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 16.29                          | Pass    |
|           |                |              |           | RB100#0               | 16.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 16.31                          | Pass    |
|           |                |              |           | RB100#0               | 16.32                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 41   | 5 MHz          | LCH          | QPSK      | RB1#0                 | 17.1                           | Pass    |
|           |                |              |           | RB25#0                | 17.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.3                           | Pass    |
|           |                |              |           | RB25#0                | 17.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 17.5                           | Pass    |
|           |                |              |           | RB25#0                | 17.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 17.7                           | Pass    |
|           |                |              |           | RB25#0                | 17.8                           | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 17.9                           | Pass    |
|           |                |              |           | RB50#0                | 17.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.11                          | Pass    |
|           |                |              |           | RB50#0                | 17.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 17.13                          | Pass    |
|           |                |              |           | RB50#0                | 17.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 17.15                          | Pass    |
|           |                |              |           | RB50#0                | 17.16                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 17.17                          | Pass    |
|           |                |              |           | RB75#0                | 17.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.19                          | Pass    |
|           |                |              |           | RB75#0                | 17.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 17.21                          | Pass    |
|           |                |              |           | RB75#0                | 17.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 17.23                          | Pass    |
|           |                |              |           | RB75#0                | 17.24                          | Pass    |
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 17.25                          | Pass    |
|           |                |              |           | RB100#0               | 17.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 17.27                          | Pass    |
|           |                |              |           | RB100#0               | 17.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 17.29                          | Pass    |
|           |                |              |           | RB100#0               | 17.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 17.31                          | Pass    |
|           |                |              |           | RB100#0               | 17.32                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
| Band 66   | 1.4 MHz        | LCH          | QPSK      | RB1#0                 | 18.1                           | Pass    |
|           |                |              |           | RB6#0                 | 18.2                           | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.3                           | Pass    |
|           |                |              |           | RB6#0                 | 18.4                           | Pass    |
|           |                | HCH          | QPSK      | RB1#5                 | 18.5                           | Pass    |
|           |                |              |           | RB6#0                 | 18.6                           | Pass    |
|           |                |              | 16-QAM    | RB1#5                 | 18.7                           | Pass    |
|           |                |              |           | RB6#0                 | 18.8                           | Pass    |
|           | 3 MHz          | LCH          | QPSK      | RB1#0                 | 18.9                           | Pass    |
|           |                |              |           | RB15#0                | 18.10                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.11                          | Pass    |
|           |                |              |           | RB15#0                | 18.12                          | Pass    |
|           |                | HCH          | QPSK      | RB1#14                | 18.13                          | Pass    |
|           |                |              |           | RB15#0                | 18.14                          | Pass    |
|           |                |              | 16-QAM    | RB1#14                | 18.15                          | Pass    |
|           |                |              |           | RB15#0                | 18.16                          | Pass    |
|           | 5 MHz          | LCH          | QPSK      | RB1#0                 | 18.17                          | Pass    |
|           |                |              |           | RB25#0                | 18.18                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.19                          | Pass    |
|           |                |              |           | RB25#0                | 18.20                          | Pass    |
|           |                | HCH          | QPSK      | RB1#24                | 18.21                          | Pass    |
|           |                |              |           | RB25#0                | 18.22                          | Pass    |
|           |                |              | 16-QAM    | RB1#24                | 18.23                          | Pass    |
|           |                |              |           | RB25#0                | 18.24                          | Pass    |
|           | 10 MHz         | LCH          | QPSK      | RB1#0                 | 18.25                          | Pass    |
|           |                |              |           | RB50#0                | 18.26                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.27                          | Pass    |
|           |                |              |           | RB50#0                | 18.28                          | Pass    |
|           |                | HCH          | QPSK      | RB1#49                | 18.29                          | Pass    |
|           |                |              |           | RB50#0                | 18.30                          | Pass    |
|           |                |              | 16-QAM    | RB1#49                | 18.31                          | Pass    |
|           |                |              |           | RB50#0                | 18.32                          | Pass    |
|           | 15 MHz         | LCH          | QPSK      | RB1#0                 | 18.33                          | Pass    |
|           |                |              |           | RB75#0                | 18.34                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.35                          | Pass    |
|           |                |              |           | RB75#0                | 18.36                          | Pass    |
|           |                | HCH          | QPSK      | RB1#74                | 18.37                          | Pass    |
|           |                |              |           | RB75#0                | 18.38                          | Pass    |
|           |                |              | 16-QAM    | RB1#74                | 18.39                          | Pass    |
|           |                |              |           | RB75#0                | 18.40                          | Pass    |

| Test Band | Test Bandwidth | Test Channel | Test Mode | Test RB (Size#Offset) | Refer to Plot <sup>Note1</sup> | Verdict |
|-----------|----------------|--------------|-----------|-----------------------|--------------------------------|---------|
|           | 20 MHz         | LCH          | QPSK      | RB1#0                 | 18.41                          | Pass    |
|           |                |              |           | RB100#0               | 18.42                          | Pass    |
|           |                |              | 16-QAM    | RB1#0                 | 18.43                          | Pass    |
|           |                |              |           | RB100#0               | 18.44                          | Pass    |
|           |                | HCH          | QPSK      | RB1#99                | 18.45                          | Pass    |
|           |                |              |           | RB100#0               | 18.46                          | Pass    |
|           |                |              | 16-QAM    | RB1#99                | 18.47                          | Pass    |
|           |                |              |           | RB100#0               | 18.48                          | Pass    |

## A.7 Field Strength of Spurious Radiation

Note 1: All modes have been tested, and only the worst case data are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document "Annex No.: BL-SZ2441239-501 Data Part 5.pdf".

Note 4: The disturbance above 26.5GHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

### GSM and WCDMA Mode Test Verdict

| Test Band    | Test Channel | Refer to Plot <sup>Note3</sup> | Verdict |
|--------------|--------------|--------------------------------|---------|
| GSM 850      | LCH          | 1.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| GSM 1900     | LCH          | 1.2                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| EGPRS 850    | LCH          | 2.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| EGPRS 1900   | LCH          | 2.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| WCDMA Band 2 | LCH          | 3.1                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| WCDMA Band 4 | LCH          | 3.2                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |
| WCDMA Band 5 | LCH          | 3.3                            | Pass    |
|              | MCH          |                                | Pass    |
|              | HCH          |                                | Pass    |

LTE Mode Test Verdict

| Test Band           | Test Bandwidth | Test Channel | Test Mode | Refer to Plot <sup>Note3</sup> | Verdict |
|---------------------|----------------|--------------|-----------|--------------------------------|---------|
| Band 2              | 20 MHz         | MCH          | QPSK      | 4.1                            | Pass    |
| Band 4              | 15 MHz         | HCH          | Q16       | 4.2                            | Pass    |
| Band 5              | 1.4 MHz        | LCH          | Q16       | 4.3                            | Pass    |
| Band 7              | 15 MHz         | HCH          | Q16       | 4.4                            | Pass    |
| Band 12             | 5 MHz          | MCH          | QPSK      | 4.5                            | Pass    |
| Band 17             | 5 MHz          | MCH          | QPSK      | 4.6                            | Pass    |
| Band 26<br>(Part22) | 15 MHz         | HCH          | Q16       | 4.7                            | Pass    |
| Band 26<br>(Part90) | 1.4 MHz        | LCH          | Q16       | 4.8                            | Pass    |
| Band 38             | 10 MHz         | HCH          | Q16       | 4.9                            | Pass    |
| Band 41             | 10 MHz         | HCH          | Q16       | 4.10                           | Pass    |
| Band 66             | 20 MHz         | MCH          | QPSK      | 4.11                           | Pass    |

## **ANNEX B TEST SETUP PHOTOS**

Please refer to the document “BL-SZ2441239-AR.PDF”.

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer to the document “BL-SZ2441239-AW.PDF”.

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer to the document “BL-SZ2441239-AI.PDF”.

## Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
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4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
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--END OF REPORT--